

最終報告書

表 題：[2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールのラットにおける反復
投与毒性・生殖発生毒性併合試験

試験番号：SR24018

株式会社化合物安全性研究所

試験責任者の署名

表 題：[2- (2-メトキシメチルエトキシ)メチルエトキシ]プロパノールのラットにおける反復
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2025 年 3 月 17 日

陳述書

表 題：[2- (2-メトキシメチルエトキシ)メチルエトキシ]プロパノールのラットにおける反復
投与毒性・生殖発生毒性併合試験

試験番号：SR24018

本試験は、GLP 基準「新規化学物質等に係る試験を実施する試験施設に関する基準について」（平成 23 年 3 月 31 日 薬食発 0331 第 8 号・平成 23・03・29 製局第 6 号・環保企発第 110331010 号 厚生労働省医薬食品局長・経済産業省製造産業局長・環境省総合環境政策局長連名通知）を遵守して実施した。

本試験に用いた試験方法は、試験法ガイドライン「新規化学物質等に係る試験の方法について」（平成 23 年 3 月 31 日 薬食発 0331 第 7 号・平成 23・03・29 製局第 5 号・環保企発第 110331009 号 厚生労働省医薬食品局長・経済産業省製造産業局長・環境省総合環境政策局長連名通知）ならびに「新規化学物質等に係る試験の方法について」の一部改正について（令和 2 年 11 月 5 日 薬生発 1105 第 2 号・20201015 製局第 1 号・環保企発第 2011055 号 厚生労働省医薬・生活衛生局長・経済産業省製造産業局長・環境省大臣官房環境保健部長連名通知）に準拠した。

株式会社化合物安全性研究所

試験責任者

2025 年 3 月 17 日

信頼性保証書

表題 : [2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールのラットにおける反復
投与毒性・生殖発生毒性併合試験

試験番号 : SR24018

本試験は、株式会社化合物安全性研究所 QAU によって、下記のとおり査察された。

査察段階	査察日	試験責任者 への報告日	運営管理者 への報告日
試験計画書	2024 年 9 月 18 日	2024 年 9 月 18 日	2024 年 9 月 18 日
コンピュータプロトコール	2024 年 9 月 24 日	2024 年 9 月 24 日	2024 年 9 月 24 日
被験物質の管理	2024 年10 月 7 日	2024 年10 月 7 日	2024 年10 月 7 日
被験物質のサンプリング	2024 年10 月 7 日	2024 年10 月 7 日	2024 年10 月 7 日
投与液の調製	2024 年10 月 7 日	2024 年10 月 7 日	2024 年10 月 7 日
投与液の送付	2024 年10 月 7 日	2024 年10 月 7 日	2024 年10 月 7 日
試験計画書変更書 (No.1)	2024 年10 月 8 日	2024 年10 月 8 日	2024 年10 月 8 日
群分け	2024 年10 月 16 日	2024 年10 月 16 日	2024 年10 月 16 日
投与	2024 年10 月 17 日	2024 年10 月 17 日	2024 年10 月 17 日
性周期検査	2024 年10 月 17 日	2024 年10 月 17 日	2024 年10 月 17 日
生殖能検査 (交配)	2024 年10 月 30 日 2024 年10 月 31 日	2024 年10 月 31 日	2024 年10 月 31 日
試験計画書変更書 (No.2)	2024 年10 月 31 日	2024 年10 月 31 日	2024 年10 月 31 日
機能検査	2024 年11 月 8 日	2024 年11 月 8 日	2024 年11 月 8 日
尿検査	2024 年11 月 11 日 2024 年11 月 12 日	2024 年11 月 12 日	2024 年11 月 12 日
採血	2024 年11 月 14 日	2024 年11 月 14 日	2024 年11 月 14 日
血液学的検査	2024 年11 月 14 日	2024 年11 月 14 日	2024 年11 月 14 日
剖検・器官重量測定	2024 年11 月 14 日	2024 年11 月 14 日	2024 年11 月 14 日
血液化学的検査	2024 年11 月 18 日	2024 年11 月 18 日	2024 年11 月 18 日
分娩および哺育状態観察	2024 年11 月 22 日	2024 年11 月 22 日	2024 年11 月 22 日
新生児の一般状態観察	2024 年11 月 22 日	2024 年11 月 22 日	2024 年11 月 22 日
新生児の体重測定	2024 年11 月 22 日	2024 年11 月 22 日	2024 年11 月 22 日
病理組織学的検査 (標本作製)	2024 年11 月 15 日 2024 年11 月 18 日 2024 年11 月 25 日 2024 年11 月 26 日	2024 年11 月 26 日	2024 年11 月 26 日

査察段階	査察日	試験責任者 への報告日	運営管理者 への報告日
哺育児数の調整	2024 年11 月 26 日	2024 年11 月 26 日	2024 年11 月 26 日
肛門生殖突起間距離の計測	2024 年11 月 26 日	2024 年11 月 26 日	2024 年11 月 26 日
血液化学的検査	2024 年12 月 2 日	2024 年12 月 2 日	2024 年12 月 2 日
乳頭数の計測	2024 年12 月 5 日	2024 年12 月 6 日	2024 年12 月 6 日
新生児の血清採取	2024 年12 月 5 日	2024 年12 月 6 日	2024 年12 月 6 日
新生児の剖検	2024 年12 月 5 日	2024 年12 月 6 日	2024 年12 月 6 日
試験計画書変更書 (No.3)	2024 年12 月 11 日	2024 年12 月 11 日	2024 年12 月 11 日
病理組織学的検査 (鏡検)	2024 年12 月 26 日	2024 年12 月 26 日	2024 年12 月 26 日
生データ	2025 年 1 月 21 日 2025 年 1 月 22 日 2025 年 1 月 23 日 2025 年 1 月 24 日 2025 年 1 月 26 日 2025 年 1 月 27 日 2025 年 1 月 28 日 2025 年 1 月 29 日	2025 年 1 月 29 日	2025 年 1 月 29 日
最終報告書 (草案) : 図表	2025 年 1 月 21 日 2025 年 1 月 22 日 2025 年 1 月 23 日 2025 年 1 月 24 日 2025 年 1 月 26 日 2025 年 1 月 27 日 2025 年 1 月 28 日 2025 年 1 月 29 日	2025 年 1 月 29 日	2025 年 1 月 29 日
最終報告書 (草案) : 図表	2025 年 1 月 30 日 2025 年 1 月 31 日	2025 年 1 月 31 日	2025 年 1 月 31 日
生データ*	2025 年 1 月 31 日	2025 年 1 月 31 日	2025 年 1 月 31 日
生データ	2025 年 2 月 6 日 2025 年 2 月 7 日 2025 年 2 月 10 日 2025 年 2 月 12 日	2025 年 2 月 12 日	2025 年 2 月 12 日

査察段階	査察日	試験責任者 への報告日	運営管理者 への報告日
最終報告書 (草案) : 本文	2025 年 2 月 6 日 2025 年 2 月 7 日 2025 年 2 月 10 日 2025 年 2 月 12 日	2025 年 2 月 12 日	2025 年 2 月 12 日
生データ*	2025 年 2 月 17 日	2025 年 2 月 17 日	2025 年 2 月 17 日
最終報告書	2025 年 3 月 17 日	2025 年 3 月 17 日	2025 年 3 月 17 日

* : 改善内容の確認

プロセス調査による査察段階	査察日	試験責任者 への報告日	運営管理者 への報告日
動物受入・検疫・馴化	2024 年 9 月 18 日	2024 年 9 月 18 日	2024 年 9 月 18 日
一般状態観察	2024 年 9 月 18 日	2024 年 9 月 18 日	2024 年 9 月 18 日
詳細な状態観察	2024 年 9 月 18 日	2024 年 9 月 18 日	2024 年 9 月 18 日
体重測定	2024 年 9 月 18 日	2024 年 9 月 18 日	2024 年 9 月 18 日
摂餌量測定	2024 年 9 月 18 日	2024 年 9 月 18 日	2024 年 9 月 18 日

本試験は、「新規化学物質等に係る試験を実施する試験施設に関する基準について」(平成 23 年 3 月 31 日 薬食発 0331 第 8 号・平成 23・03・29 製局第 6 号・環保企発第 110331010 号 厚生労働省医薬食品局長・経済産業省製造産業局長・環境省総合環境政策局長連名通知) に従い実施された。

本試験は、試験計画書に従って実施され、また、本報告書には当該試験に使用した方法および手順が正確に記載されており、試験成績には当該試験の実施過程において得られた生データが正確に反映していることを確認した。試験場所で開催された被験物質および投与液の化学分析に関しては、試験場所信頼性保証部門責任者からの調査結果報告書および陳述書を確認し、試験全体の信頼性に問題がないことを確認した。

株式会社化合物安全性研究所

主信頼性保証部門責任者



2025 年 3 月 17 日

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[2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールのラットにおける反復投与毒性・生殖発生毒性併合試験

試験番号

SR24018

試験目的

[2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールを雌雄ラットに反復経口投与してその毒性ならびに性腺機能, 交尾行動, 受胎および分娩等の生殖に及ぼす毒性を検討した。加えて, 28 日間の反復投与終了後 14 日間の休薬による毒性の回復性についても検討した。

試験実施基準および試験法ガイドライン

試験実施基準 (GLP) : 「新規化学物質等に係る試験を実施する試験施設に関する基準について」(平成 23 年 3 月 31 日 薬食発 0331 第 8 号・平成 23・03・29 製局第 6 号・環保企発第 110331010 号 厚生労働省医薬食品局長・経済産業省製造産業局長・環境省総合環境政策局長連名通知)

試験法ガイドライン : 「新規化学物質等に係る試験の方法について」(平成 23 年 3 月 31 日薬食発 0331 第 7 号・平成 23・03・29 製局第 5 号・環保企発第 110331009 号 厚生労働省医薬食品局長・経済産業省製造産業局長・環境省総合環境政策局長連名通知) ならびに「新規化学物質等に係る試験の方法について」の一部改正について(令和 2 年 11 月 5 日薬生発 1105 第 2 号・20201015 製局第 1 号・環保企発第 2011055 号 厚生労働省医薬・生活衛生局長・経済産業省製造産業局長・環境省大臣官房環境保健部長連名通知)

動物愛護

法規および基準等 : 「動物の愛護及び管理に関する法律」(昭和 48 年 10 月 1 日 法律第 105 号, 最終改正 令和元年 6 月 19 日 法律第 39 号)
「実験動物の飼養及び保管並びに苦痛の軽減に関する基準」(平成 18 年 4 月 28 日 環境省告示第 88 号, 最終改正 平成 25 年 8 月 30 日 環境省告示第 84 号)
「動物実験に関する指針」(昭和 62 年 5 月 22 日承認 社団法人日本実験動物学会)
「厚生労働省の所管する実施機関における動物実験等の実施に関する基本指針について」(平成 18 年 6 月 1 日 科発 0601001 号, 最終改正 平

成 27 年 2 月 20 日 科発 0220 第 1 号)

動物実験倫理 : 本試験は、動物実験の必要性および苦痛の軽減等について試験施設の動物実験倫理委員会により審議され、運営管理者の承認を得ており、試験施設の動物実験倫理規定に準拠して実施した。

試験委託者

名称 : 厚生労働省 医薬局
所在地 : 東京都千代田区霞が関 1-2-2 (〒100-8916)
担当者 : 医薬品審査管理課 化学物質安全対策室

■■■■■■■■■■

試験施設

名称 : 株式会社化合物安全性研究所
所在地 : 札幌市清田区真栄 363 番 24 (〒004-0839)
運営管理者 : ■■■■■■

試験場所 (被験物質の安定性、投与液の安定性および濃度分析)

名称 : 保土谷コントラクトラボ株式会社
所在地 : 茨城県つくば市御幸が丘 45 番地 (〒305-0841)
試験場所管理責任者 : ■■■■■■

試験責任者

氏名 : ■■■■■■
所属 : 株式会社化合物安全性研究所 安全性研究部

試験従事者およびその業務分担

1) 管理責任者 (株式会社化合物安全性研究所)

被験物質 : ■■■■■■
動物飼育 : ■■■■■■

2) 分担責任者 (株式会社化合物安全性研究所)

病理検査 : ■■■■■■

3) 試験主任者 (保土谷コントラクトラボ株式会社)

被験物質の安定性、投与液の安定性および濃度分析
: ■■■■■■

試験日程

試験開始日 : 2024 年 9 月 18 日

動物受入 : 2024 年 9 月 25 日

群分け : 2024 年 10 月 16 日

投与開始 (実験開始) : 2024 年 10 月 17 日

交配開始 : 2024 年 10 月 30 日

雄動物およびサテライト群雌動物投与終了 :

2024 年 11 月 13 日

雄動物およびサテライト群雌動物 (投与終了時剖検例) 剖検 :

2024 年 11 月 14 日

母動物分娩開始 : 2024 年 11 月 22 日

生後 4 日児数調整開始 : 2024 年 11 月 26 日

サテライト群雄および雌動物 (回復終了時剖検例) 剖検 :

2024 年 11 月 28 日

生後 13 日新生児剖検開始 :

2024 年 12 月 5 日

母動物剖検開始 : 2024 年 12 月 6 日

実験終了日 : 2025 年 1 月 21 日

試験終了日 : 2025 年 3 月 17 日

1 要約

[2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールの反復投与による影響、生殖および新生児の発生に及ぼす影響について検討する目的で、ラットにおける反復投与毒性・生殖発生毒性併合試験を実施した。1群雌雄各12匹のCrI:CD(SD)ラットに、[2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールの0(媒体対照、精製水)、100、300および1000 mg/kgを、雄に対しては交配開始14日前から計28日間、雌に対しては交配前、交配および妊娠期間を含む哺育13日までの期間経口投与した(最長54日間)。また、0(対照)および1000 mg/kgについて、雄動物は各5匹を選抜して28日間の投与終了後14日間の回復性を検討し、雌動物は各10匹の非交配群を別に設け、5匹は28日間の投与終了時に剖検し、5匹はさらに14日間の回復性についても検討した。

1.1 反復投与毒性

100 mg/kg群では、投与期間中の一般状態、詳細な状態観察、機能検査、尿検査、体重、体重増加量、摂餌量、血液学的検査、血液化学的検査、T4濃度、器官重量、剖検および病理組織学的検査の各検査項目に、雌雄とも被験物質投与に関連する変化はみられなかった。

300 mg/kg群では、被験物質投与に関連する変化として、雄で肝臓重量の高値がみられた。

1000 mg/kg群では、被験物質投与に関連する変化として、雄でT4濃度の減少、腎臓重量の高値、雌で投与後の症状としてよろめき歩行および自発運動の低下、オープンフィールド内の詳細な状態観察でよろめき(運動失調)、握力の低下と自発運動量の低値、摂餌量の抑制、雌雄で肝臓重量の高値がみられた。これらの変化には回復性が認められた。

雄の腎臓の病理組織学的検査では、1000 mg/kg群でのみ2/7例に近位尿細管上皮の好酸性小体の発現がみられた。 α 2u-グロブリン抗体による免疫染色の結果は陽性であったことから、 α 2u-グロブリン腎症と判断され、ヒトへの外挿性の無い変化と考えられた。

したがって、本試験条件下における[2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールの反復投与毒性に関する無毒性量(NOEL)は雄で100 mg/kg/day、雌で300 mg/kg/dayと考えられた。

1.2 生殖発生毒性

生殖能検査では、性周期の異常の発現率、発情期間および発情回数、交尾率、受胎率、交尾所要日数、着床数、分娩率、妊娠期間、出産率、出産児数、ならびに出産時の生存児数および死亡児数、新生児の体重、一般状態、生存率、性比、外表異常児出現率、外表異常児を持つ腹の頻度、肛門生殖突起間距離、乳頭数、T4濃度および剖検に、1000 mg/kg群まで被験物質投与に関連する変化はみられなかった。

したがって、本試験条件下における[2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールの親動物の生殖能ならびに新生児の発生に対する無毒性量(NOEL)はいずれも1000 mg/kg/dayと考えられた。

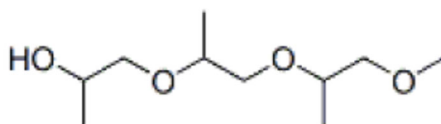
2 緒言

この試験の目的は、[2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールを雌雄ラットへ反復投与して、一般毒性、雌生殖および新生児の発生に及ぼす影響について検討することであった。[2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールの0(媒体対照、精製水)、100、300 および 1000 mg/kg を、1 群雌雄各 12 匹の CrI:CD(SD) ラットに、雄に対しては計 28 日間、雌に対しては哺育 13 日までの期間経口投与した。0 および 1000 mg/kg については、雌各 10 匹の非交配群を別に設けた。28 日間の投与終了後、雄は各 5 匹を選抜して、雌は非交配群の各 5 匹について、14 日間の回復性を検討した。

3 材料および方法

3.1 被験物質

名称	: [2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノール
別名 ¹⁾²⁾³⁾	: Tri(propylene glycol) methyl ether, mixture of isomers TPGME
CAS 番号	: 25498-49-1
官報公示整理番号 ²⁾	: (2)-438, (7)-97
構造式 ²⁾	:



化学式 ¹⁾	: C ₁₀ H ₂₂ O ₄
分子量 ¹⁾	: 206.28
物理化学的性質 ¹⁾	: 外観 ; 無色液体 密度 ; 0.963 g/mL at 25°C 蒸気圧 ; 0.0 hPa at 25°C n-オクタノール/水分配係数 ; log Pow: 0.080 at 21°C 融点 / 凝固点 ; -77.8°C at 1013.0 hPa 沸点 ; 100°C at 3hPa - lit 水溶性 ; 可溶 at 0 to 100°C
純度	: 98.9% (GC) (Annex 1)
バッチ番号	:
製造者・供給者	:

試験施設受領日 : 2024 年 5 月 31 日

保存場所および保存期間 :

被験物質保存室 ; 2024 年 5 月 31 日 (試験施設受領) ~ 2024 年 11 月 29 日 (最終回調製)

保存条件 ¹⁴⁾ : 密閉, 冷蔵 (実測範囲 2.0 ~ 3.1°C), 遮光

安定性 : 投与液中における安定性分析の開始前および動物への投与期間終了後に, 被験物質の赤外線吸収スペクトル (IR スペクトル) を測定して投与期間中の安定性を確認した. 分析は試験場所で行った. 分析の結果, 被験物質の安定性が確認された (Annex 2).

異性体含量の測定 : 被験物質は異性体の混合物であることから, 構造異性体含量を試験場所で行った. その結果, 構造異性体として 8 種の構造が存在することが判明し, それぞれの含量を測定した. 結果を Annex 3 に示す.

被験物質管理責任者からの移管量 :

約 1740 g

使用量 : 869.0082 g

取扱上の注意 ¹⁾ : ゴム手袋, マスクおよび保護メガネを着用した.

サンプリング : 約 5 g (実測値 5.0014 g) を採取し, 試験施設の資料保存室に保存した.

3.2 対照物質 (媒体)

名称 : 精製水 (日本薬局方 精製水)

製造業者 : 日医工株式会社

選定理由 : 被験物質が水溶性である情報に基づき, 水に 200 mg/mL の濃度で溶解することを目視で確認したため.

ロット番号 : J01300

使用期限 : 2027 年 2 月

保存条件 : 室温. ただし, 開封後の残余は保存しなかった.

対照群の投与用として分注後は, 被験物質調製液と同様に保存した.

保存場所 : 被験物質保存室

被験物質管理責任者からの移管量 :

500 mL × 30 本

使用量 : 500 mL × 28 本

取扱上の注意 : 特になし.

3.3 投与液の調製および化学分析

- 調製方法 : 投与量毎に被験物質を正確に秤量し、媒体を加えて所定量にメスアップし、スターラーにて溶解させた。投与液の調製に必要な被験物質量を算出する際に、純度補正は行わなかった。
- 調製頻度 : 調製液は1～9日の間隔で9回調製し、10日以内に使用した。
- 保存場所および保存期間 :
被験物質保存室;2024年10月7日(初回調製)～2024年12月9日(最終回投与)
- 保存条件 : 遮光気密容器に入れ、冷蔵(実測範囲2.0～2.9℃)で保存した。
- 調製上の注意 : ゴム手袋、マスクおよび保護メガネを着用した。
- 残余投与液の処置 : 焼却処分するために産業廃棄物として回収した。
- 投与液の化学分析 : 以下の分析を試験場所が実施し、分析結果を入手した。試料の試験場所への輸送の日程、濃度分析方法ならびに分析結果については、試験場所の最終報告書に示されており、Annex 2 および Annex 3 として添付する。
- 投与液の安定性の確認 : 2 および 200 mg/mL の濃度の調製液について、冷蔵保存10日間(調製日を0日として起算)後、室温で約23時間後の安定性を分析した。調製は試験場所が実施した。分析の結果、保存後の残存率が102.1 および 100.0% (判定基準 $100 \pm 10\%$ 以内) であり、冷蔵保存10日間+室温23時間の安定性が確認された (Annex 2)。
- 投与液の濃度確認 : 被験物質の全濃度に関する投与液中の濃度を、初回および雄の最終回投与に使用する調製液について分析した。調製液は冷蔵条件下で試験場所に送付した。分析の結果、含有率が表示濃度の101～109% (判定基準 $100 \pm 10\%$)、相対標準偏差が0.0～1.3% (判定基準5%以下) の範囲内にあり、いずれの調製液の濃度も適切であることが確認された (Annex 3)。

3.4 試験系

- 種・系統 : ラット, Crl:CD(SD)
- 微生物統御 : SPF
- 生産業者 : ジャクソン・ラボラトリー・ジャパン株式会社
- 微生物モニタリング : 動物生産業者よりデータを入手した。
- 動物選定理由 : ラットはこの種の試験で通常用いられている動物種であり、繁殖成績が安定していることと試験施設における背景対照データが利用でき

ることからこの系統を選定した.

受入動物数	: 雄 50 匹, 雌 74 匹 (未経産)
受入動物週齢	: 雌雄とも 8 週齢
出荷体重基準	: 雄 240~330 g, 雌 160~230 g
受入時体重範囲	: 雄 231~273 g, 雌 185~219 g
投与開始時週齢	: 雌雄とも 11 週齢
群数	: 雄 6 群, 雌 8 群 (主試験群 雌雄各 4 群, サテライト群 雄 2 群, 雌 非交配群 4 群)
各群動物数	: 主試験群 雌雄各 12 匹, サテライト群 雌雄各 5 匹 (ただし, 雄は主試験群から選抜)

3.5 検疫および馴化

期間	: 検疫期間は受入日 (検疫 1 日) から検疫 6 日までの期間. 馴化期間は検疫期間を含めた群分け日までの期間.
方法	: 一般状態を 1 日 1 回観察し, 体重を受入時, 検疫 6 日および群分け日に測定した. 受入時体重が出荷体重基準を僅かに下回る雄動物が 5 例みられたが, 検疫期間に順調な体重増加がみられたことから, 群分けに使用できると判断した. 馴化期間中の一般状態および体重には, いずれの動物にも異常はみられなかった.
性周期検査	: 雌動物について, 性周期検査を膣垢スメア塗抹法により群分け日までの 14 日間実施した. 検査の結果, いずれの動物にも異常はみられなかった.

3.6 群分け

馴化期間中に実施した一般状態観察, 体重測定および雌の性周期検査の結果を参考にして, 餌遊びがみられた雌 3 例 (識別番号 5001, 5031, 5042) を除いて, コンピュータシステム (MiTOX, 三井 E & S システム技研株式会社) を使用して, 雄 48 匹, 雌 68 匹を選抜し, 群分け日 (投与開始前日) の体重に基づいて層化無作為抽出法により群間で平均体重が均一になるように各群に割当てた. ただし, 雌については主試験群, サテライト群それぞれの平均体重が均一になるようにした. 選抜した動物の体重範囲は, 雄で 370~479 g, 雌で 246~309 g であり, 平均体重 (雄 424.6 g, 雌 278.9 g) の $\pm 20\%$ 以内であった. 群分けから外れた動物は, 投与開始日に試験から除外した.

3.7 動物およびケージの識別

- 動物 : 群分け前は受入時に油性フェルトペンで尾部に印を付け、個体識別を行った。
群分け後は耳介に動物番号を入れ墨し、個体識別を行った。ただし、新生児については個体識別を行わなかった。
- 飼育ケージ : 群分け前は試験 No., 識別 No., 性別, ケージ No.および種 / 系統を印字したラベルを各ケージの前面に標示した。
群分け後は試験 No., 動物 No., 性別, 被験物質名, 用量 (経路) および種 / 系統を印字したラベルを各ケージの前面に標示した。交尾成立雌動物は上記と同様の項目を記載した新たなラベルに交換し、交尾成立日ならびに交尾成立日毎のグループ名を明記して表示した。分娩終了した雌は群分け後のラベルに交換して哺育 0 日の日付ならびに哺育 0 日毎のグループ名を明記した。

3.8 動物飼育

3.8.1 飼育環境

- 飼育室番号 : 306 号室
- 温度・湿度 : $22 \pm 3^{\circ}\text{C}$ (実測範囲 $19 \sim 23^{\circ}\text{C}$), $50 \pm 20\%$ (実測範囲 $37 \sim 52\%$)
- 換気回数 : 10～15 回/時間
- 照明時間 : 人工照明 12 時間 (8:00～20:00)

3.8.2 飼育器材および飼育方法

- ケージの種類 : ブラケット式金属製金網床ケージ (300W × 410D × 200H mm)
ただし、交尾成立雌動物については妊娠 17 日から哺育 13 日まで同ケージの金網床を小型受皿に代えて実験動物用床敷 (ホワイトフレーク, ジャクソン・ラボラトリー・ジャパン株式会社) を使用した。

1 ケージあたりの収容動物数 :

検疫および馴化期間中は 2 匹ずつ、群分け後は 1 匹、交配期間中は雌雄各 1 匹、分娩後は 1 腹とした。

ケージ内動物数の選択理由 :

摂餌量の例数を確保するため、および雄では闘争による傷害を避けるため、群分け後は単独飼育とした。

ケージ交換 : 群分け時に実施し、その後は以下の頻度で実施した。

雄およびサテライト群雌 : 投与 14 日および回復 1 日

主試験群雌 : 交尾成立後は妊娠 0 日および 14 日ならびに哺育 7 日

受皿交換	: 週 2 回以上実施した.
小型受皿の交換	: 妊娠 20 日および哺育 7 日に実施した.
給餌器交換	: ケージ交換時に実施した.
自動給水装置の水抜き	: 雌の哺育期間を除き, 週 1 回実施した.
給水器	: 雄およびサテライト群の雌は尿検査時にのみ使用した. 主試験群の雌は妊娠・哺育期間に使用し, 2 日に 1 回交換した.
室内の清掃	: 1 日 1 回実施した.
室内の消毒	: 塩素系消毒薬およびヨウ素系消毒薬を 1 週間単位で交互に使用する清拭消毒を 1 日 1 回実施した.

3.8.3 飼料

種類・名称	: 固型飼料, CRF-1
ロット番号	: 240605, 240702, 240903
製造業者	: オリエンタル酵母工業株式会社
給餌方法	: 金属製給餌器を用いて自由に摂取させた. ただし, 剖検前日の夕刻からは全例を絶食させた.
汚染物質等の確認	: 試験に悪影響を及ぼす恐れのある汚染物質等の有無を使用した各ロットの飼料について分析した. 分析はユーロフィン・フード・テストイング株式会社 (分析報告書: Nos. AR-24-YP-003286 -01-JA, AR-24-YP-003794-01- JA, AR-24-YP-004991-01- JA) および飼料製造業者 (分析試験報告書: Nos. 24G03-024, 24G03-030, 24G03-048) が行い, 分析データを飼料製造業者からロット毎に入手した. 分析の結果, いずれの項目にも許容値を超える値は認められなかった.

3.8.4 飲料水

種類	: 札幌市水道水
給水方法	: 自動給水装置あるいは給水器を用いて自由に摂取させた.
汚染物質等の確認	: 試験に悪影響を及ぼす恐れのある汚染物質等について, 2024 年 7 月 2 日および 2025 年 1 月 6 日に当該飼育室から試料を採取して確認した. 分析は日本衛生株式会社 (水質検査結果表: Nos. A241273, A245077) が行い, 分析データを入手した. 分析の結果, いずれの項目にも許容値を超える値は認められなかった.

3.9 被験物質の投与

3.9.1 投与量の設定

投与量 : 0 (対照), 100, 300 および 1000 mg/kg/day

設定理由 : 先に実施した予備試験 (SR24017)⁵⁾ (投与量 0, 100, 200, 500 および 1000 mg/kg/day, 雌雄各 3 匹/群, 14 日間反復経口投与) の結果, 雌雄とも, 1000 mg/kg 群において肝臓の絶対および相対重量に有意な高値または高値傾向がみられたが, その他の検査項目には, 被験物質投与に関連した変化は認められなかった. 以上より, 本試験では試験法ガイドラインで限度用量とされる 1000 mg/kg/day を高用量とし, 以下公比約 3 として 300 および 100 mg/kg/day をそれぞれ中用量および低用量に設定した.

3.9.2 試験群の構成

試験群の構成と各群の動物番号は以下の通りとした.

試験群	投与量	濃度	投与容量	動物数(動物番号)		
	(mg/kg)	(mg/mL)	(mL/kg)	雄	雌	識別
＜主試験群＞						
対照	0	0	5.0	12 (10101~10112)	12 (50151~50162)	白
低用量	100	20	5.0	12 (10201~10212)	12 (50251~50262)	緑
中用量	300	60	5.0	12 (10301~10312)	12 (50351~50362)	青
高用量	1000	200	5.0	12 (10401~10412)	12 (50451~50462)	赤
＜サテライト群＞						
対照(投与終了時剖検例)	0	0	5.0		5 (50551~50555) ^b	白
(回復終了時剖検例)	0	0	5.0	5 (10102, 10103, 10109, 10110, 10112) ^a	5 (50556~50560) ^b	白
高用量(投与終了時剖検例)	1000	200	5.0		5 (50651~50655) ^b	赤
(回復終了時剖検例)	1000	200	5.0	5 (10402, 10404, 10405, 10406, 10409) ^a	5 (50656~50660) ^b	赤

対照群には, 他の群と同様の方法で対照物質 (媒体) のみを投与した.

a : 主試験群から投与 21 日の体重に基づいて, 各群の体重の平均値に近似するように, 各群から 5 匹ずつ選抜した.

b : 非交配群

3.9.3 投与

投与経路 : 経口投与

投与方法 : ディスポーザブル胃ゾンデおよびディスポーザブルシリンジを用いて

強制的に胃内に投与した。

投与回数 : 1 日 1 回, 連日投与した。

投与時刻 : 8 : 54 ~ 11 : 45

ただし, 上記投与時刻に分娩中の母動物 (動物番号 50461) には, 分娩終了後 13 : 09 に投与した。

投与期間 : 雄 ; 交配 14 日前より 28 日間
雌 ; 交配前 14 日間および交尾成立までの交配期間, さらに交尾成立例は妊娠期間および分娩後 13 日 (哺育 0 日を分娩後 0 日として起算) までの期間, 妊娠 25 日まで分娩が認められない交尾成立例は妊娠 25 日までの期間
サテライト群については 28 日間

回復 (休薬) 期間 : 投与期間終了後 14 日間

投与液量 : 各個体の投与液量は, 投与日に最も近い測定日の体重に基づいて算出した。

投与経路, 投与方法, 投与回数および投与期間ならびに回復期間の選定理由 :
試験法ガイドラインに準拠した。

3.10 観察, 測定および検査項目

投与開始日を投与 1 日 (Day 1), 投与 28 日の翌日を回復 1 日 (Recovery Day 1) と起算し, 雄動物およびサテライト群の剖検日は投与 28 日の翌日 (Day 29) および回復 14 日の翌日 (Recovery Day 15) とした。雌動物の交配後は, 交尾成立日を妊娠 0 日, 分娩終了日を哺育 0 日, 剖検日を分娩後 14 日 (Day 14 after parturition) と規定した。

3.10.1 反復投与毒性

3.10.1.1 一般状態観察

例数 : 全例

期間 : 投与 1 日から剖検日まで

頻度 : 投与期間中は投与前および投与後の 1 日 2 回, 回復期間中は午前および午後の 1 日 2 回, 剖検日は 1 回観察した。

観察方法 : 個々の動物の生死, 外観, 行動等について観察した。

3.10.1.2 詳細な状態観察

例数 : 全例

時期 : 投与開始前ならびに投与 7, 14, 21 および 28 日
主試験群の雌については, 上記に加えて投与 35, 42 および 49 日

回復期間中は、回復 7 および 14 日
 観察方法 : あらかじめ定めたスコアリング基準を用いてスコア化した観察結果を記録した。

観察項目およびその方法 :

- [1] 体位・姿勢，呼吸状態，振戦・痙攣，常同行動 (回転・旋回)，異常行動 (自咬) をケージの外から観察した。
- [2] 取り出し易さ，取扱い易さ，筋収縮性，立毛，被毛の状態，皮膚，眼・眼球および粘膜の外観，瞳孔径，流涙，流涎，その他分泌物の有無について，ケージから取り出す時に観察した。
- [3] 歩行，運動協調性，環境刺激に対する反応，探索行動 (匂嗅ぎ・立上り)，排泄状態 (排尿・排糞)，常同行動 (身づくろい・くびふり)，異常行動 (後ずさり・異常発声)，攻撃性について，オープンフィールド内で観察した。

3.10.1.3 機能検査

例数 : 各群の投与 21 日の体重の平均値に近似するように選抜した雄の各群 5 例およびサテライト群 (回復終了時剖検例) の雌ならびに主試験群の雌の分娩日の早いものから順に選抜した各群 5 例。

時期 : 主試験群の雄およびサテライト群の雌は，投与 4 週 (投与 23 日) に実施した。投与 4 週の検査の結果，主試験群の雄では被験物質投与に関連する変化はみられなかった。一方，サテライト群の高用量群の雌で前肢の握力に有意な低値がみられたため，雌について回復 2 週 (回復 8 日) の検査を実施した。

主試験群の雌は哺育 13 日に実施した。

観察 / 測定方法 : あらかじめ定めたスコアリング基準を用いてスコア化した観察結果あるいは測定機器による測定値を記録した。

観察項目およびその方法 :

- [1] 刺激に対する感覚運動反応 : 検査台上で以下を観察した。
 視覚刺激，触覚刺激，聴覚刺激，痛覚刺激，固有受容器刺激，空中正向反射
- [2] 握力 : CPU ゲージ (アイコーエンジニアリング株式会社) を用いて前肢および後肢について各 3 回測定し，1 g 単位で記録した。
- [3] 自発運動量 : 自発運動量測定装置 (スーパーメックスおよび CompAct，室町機械株式会社) を用いて，上述 [1] および [2] の

検査に引き続き、各動物について、10分間隔 (0～10, 10～20, 20～30, 30～40, 40～50 および 50～60 分) で1時間測定した。

3.10.1.4 体重測定

例数 : 全例

測定日 : 雄およびサテライト群の雌は、投与1, 4, 7, 14, 21 および28日の投与前, 回復1, 7 および14日ならびに剖検日。
主試験群の雌は、投与1, 4, 7, 14日の投与前, 妊娠0, 7, 14 および20日の投与前, 哺育0, 4, 7 および13日の投与前ならびに分娩後14日の剖検日。ただし、妊娠25日まで分娩が認められない交尾成立例は妊娠26日 (剖検日) に測定した。

測定方法 : 電子式上皿天秤 (GX-2000, 株式会社 エー・アンド・デイ) を用いて測定した。

体重増加量 : 以下の式により算出した。
<雄およびサテライト群の雌>
投与期間 ;
$$\text{体重増加量 (g)} = \text{投与28日体重 (g)} - \text{投与1日体重 (g)}$$

回復期間 ;
$$\text{体重増加量 (g)} = \text{回復14日体重 (g)} - \text{回復1日体重 (g)}$$

<主試験群の雌>
交配前投与期間 ;
$$\text{体重増加量 (g)} = \text{投与14日体重 (g)} - \text{投与1日体重 (g)}$$

妊娠期間 ;
$$\text{体重増加量 (g)} = \text{妊娠20日体重 (g)} - \text{妊娠0日体重 (g)}$$

哺育期間 ;
$$\text{体重増加量 (g)} = \text{哺育13日体重 (g)} - \text{哺育0日体重 (g)}$$

3.10.1.5 摂餌量測定

例数 : 全例

測定日 : 雌雄とも交配中の週および剖検日を除き、体重測定と同じ日に実施した。

測定方法 : 電子式上皿天秤 (GX-2000, 株式会社 エー・アンド・デイ) を用いて各ケージの給餌量および／または残餌量を測定した。
 次式より, 1 匹あたりの 1 日の平均摂餌量 (g/day) を算出した。ただし, 哺育期間中の雌については, 1 腹あたりの摂取量として表わした。

$$\text{摂餌量 (g/day)} = [\text{給餌量 (g)} - \text{残餌量 (g)}] / \text{測定日間の日数 (day)}$$

3.10.1.6 尿検査

例数 : 雄は機能検査と同一の各群 5 例について, 雌はサテライト群の回復終了時剖検例
 時期 : 投与 4 週 (投与 26~27 日) および回復 2 週 (回復 8~9 日).
 採尿方法 : 非絶食下でラット用代謝ケージ (KN-646, B-1 型, 株式会社夏目製作所) を用いて採尿し, 投与直後から約 3 時間の蓄尿で [1]~[9] を, また約 21 時間の蓄尿で [10], [11] を実施した。[9] については, 遠心分離 (約 400 × g, 5 分, 4°C) して検査した。採取した尿は検査終了後廃棄した。

検査項目および検査方法:

[1]	pH	試験紙法
[2]	蛋白 (Protein)	試験紙法
[3]	糖 (Glucose)	試験紙法
[4]	ケトン体 (Ketone body)	試験紙法
[5]	ウロビリノーゲン (Urobilinogen)	試験紙法
[6]	ビリルビン (Bilirubin)	試験紙法
[7]	潜血反応 (Occult blood)	試験紙法
[8]	色調 (Color)	肉眼観察
[9]	尿沈渣 (Urinary sediments)	Sternheimer 染色法
[10]	尿量 (Urine Volume)	容量測定
[11]	比重 (Specific gravity)	屈折計法

[1]~[7] マルティスティックス, シーメンスヘルスケア・ダイアグノスティクス株式会社

[9] 顕微鏡 BH-2, オリンパス株式会社

[11] 尿比重屈折計ユリコン-S, 株式会社アタゴ

3.10.1.7 血液学的検査

例数 : 各群 5 例 (主試験群の雄は機能検査に用いた動物以外から動物番号の若い順に選抜した。主試験群の雌は機能検査と同一例, サテライト群は全例)
 時期 : 剖検時 [主試験群の雄およびサテライト群の雌 (投与終了時剖検例) は投与 28 日の翌日, 主試験群の雌は分娩後 14 日, サテライト群の雄お

よび雌 (回復終了時剖検例) は回復 14 日の翌日] に採血した。

検査方法 : 夕刻からの一晩の絶食下 (16~21 時間) でラットをイソフルラン (リケンイソフルラン, リケンベッツファーマ株式会社) 麻酔し, 腹部大動脈より採血した。検査項目のうち [1]~[10] については EDTA・2K (ベノジェクト II 真空採血管, テルモ株式会社) で処理した血液約 1 mL を用い, [11], [12] については 3.8%クエン酸ナトリウムで処理した血液約 1 mL (3.8%クエン酸ナトリウム溶液 0.1 mL+血液 0.9 mL) を遠心分離 (約 2000 × g, 10 分, 4°C) し, 得られた血漿を用いた。主試験群の雌については, 採取後凍結保存 (-80°C 設定) し, 測定時に融解して用いた。得られた血液および血漿は検査終了後廃棄した。全例の白血球分画が得られたため, 白血球塗抹標本は作製しなかった。

検査項目および検査方法:

[1]	赤血球数 (RBC)	シーフローDC検出法
[2]	ヘマトクリット値 (HCT)	シーフローDC検出法
[3]	ヘモグロビン濃度 (HGB)	SLSヘモグロビン法
[4]	平均赤血球容積 (MCV)	RBC, HCT値より算出
[5]	平均赤血球ヘモグロビン量 (MCH)	RBC, HGB値より算出
[6]	平均赤血球ヘモグロビン濃度 (MCHC)	HCT, HGB値より算出
[7]	血小板数 (Platelet)	フローサイトメトリー法
[8]	網赤血球数 (Reticulocyte)	フローサイトメトリー法
[9]	白血球数 (WBC)	フローサイトメトリー法
[10]	白血球分画 (Differential count of WBC)	フローサイトメトリー法
	1 好中球 (Neutrophil, $10^2/\mu\text{L}$)	
	2 好酸球 (Eosinophil, $10^2/\mu\text{L}$)	
	3 好塩基球 (Basophil, $10^2/\mu\text{L}$)	
	4 単球 (Monocyte, $10^2/\mu\text{L}$)	
	5 リンパ球 (Lymphocyte, $10^2/\mu\text{L}$)	
[11]	プロトロンビン時間 (PT)	トロンボプラスチン法
[12]	活性化部分トロンボプラスチン時間 (APTT)	エラジン酸法

[1]~[10] 自動血球分析装置 XN-2000, シスメックス株式会社

[11], [12] 全自動血液凝固測定装置 CA-620, シスメックス株式会社

3.10.1.8 血液化学的検査

例数 : 血液学的検査と同一の各群 5 例。ただし, T4 濃度測定用試料の採取は全例実施した。

時期 : 剖検時に採血した。

検査方法 : 夕刻からの一晩の絶食下 (16~21 時間) でラットをイソフルラン麻酔し, 腹部大動脈より採血した。検査項目のうち [1], [5] については

血液 1 mL あたりヘパリンナトリウム (ヘパリンナトリウム注 N「AY」, 1000 単位/mL, エイワイファーマ株式会社) 約 20 単位で処理後, 遠心分離 (約 $2000 \times g$, 10 分, 4°C) して得られた血漿を用いて検査した. 他の項目については分離剤入り試験管 (セパクリーン A, 栄研化学株式会社) に血液を採取し, 遠心分離 (約 $2000 \times g$, 10 分, 4°C) して得られた血清を用いて検査した. 血清および血漿は, 採取後凍結保存 (-80°C 設定) し, 測定時に融解して用いた. また, 得られた血清の一部をホルモン測定用として, ポリプロピレン製チューブ 4 本に約 $150 \mu\text{L}$ ずつ分注して凍結保存 (-80°C 設定) し, 主試験群の雄について測定時に融解して [21] の項目に用いた. 主試験群の雄の測定の結果, 高用量群で対照群と比較して有意な低値がみられたため, 主試験群の雌, 投与期間終了時のサテライト群の雌および回復群の雌雄の全動物の T4 濃度を測定した. 検査終了後, ホルモン測定用血清は -60°C 以下で, その他の血漿および血清は -20°C 以下で凍結保存し, 試験終了日までに廃棄した.

検査項目および検査方法:

[1]	AST	JSCC 法
[2]	ALT	JSCC 法
[3]	アルカリホスファターゼ (ALP)	IFCC 法
[4]	γ -GTP	L- γ -グルタミル-3-カルボキシ-4-ニトロアニリド基質法
[5]	グルコース (Glucose)	ヘキソキナーゼ法
[6]	総コレステロール (T-Cho)	酵素法
[7]	トリグリセリド (TG)	遊離グリセロール消去法
[8]	総ビリルビン (T-Bil)	酵素法
[9]	総胆汁酸 (TBA)	酵素サイクリング法
[10]	尿素窒素 (UN)	ウレアーゼ-GLDH 法
[11]	クレアチニン (Crea)	酵素法
[12]	ナトリウム (Na)	イオン選択電極 (ISE) 法
[13]	カリウム (K)	イオン選択電極 (ISE) 法
[14]	クロール (Cl)	イオン選択電極 (ISE) 法
[15]	カルシウム (Ca)	OCPC 法
[16]	無機リン (IP)	Fiske-Subba Row 法
[17]	総蛋白 (TP)	ビウレット法
[18]	A/G 比 (A/G ratio)	蛋白分画より算出
[19]	アルブミン (Albumin)	総蛋白と蛋白分画より算出
[20]	蛋白分画 (Protein fraction)	アガロースゲル電気泳動法
	1 アルブミン (Albumin, %)	
	2 α_1 -グロブリン (α_1 -G, %)	

3 α_2 -グロブリン (α_2 -G, %)4 β -グロブリン (β -G, %)5 γ -グロブリン (γ -G, %)

[21] 甲状腺ホルモン (T4) ELISA 法 (測定回数 : n=2)

[1]~[17] 自動分析装置 7180 形, 株式会社日立ハイテクノロジーズ

[18], [20] 全自動電気泳動分析装置エパライザ 2 ジュニア, 株式会社ヘレナ研究所

[21] マイクロプレートリーダー SH-1200, コロナ電気株式会社

3.10.1.9 剖検

例数 : 全例

時期 : 主試験群の雄およびサテライト群の雌 (投与終了時剖検例) は投与 28 日の翌日, 主試験群の雌は分娩後 14 日, サテライト群の雄および雌 (回復終了時剖検例) は回復 14 日の翌日に剖検した。ただし, 妊娠 25 日まで分娩が認められない交尾成立例は妊娠 26 日に実施した。

検査方法 : 体外表を観察し, イソフルラン麻酔下で, 腹部大動脈からの採血後, 放血により安楽死させて, 全身の器官・組織を肉眼的に観察した。主試験群の雌では, 着床数を数えた。以下の器官・組織を 10%中性緩衝ホルマリン液に固定・保存した。肺については, 気管から固定液を注入後固定した。ただし, 眼球およびハーダー腺はデビッドソン液で固定・保存し, 精巣および精巣上体はブアン液で固定, 70%エタノールに保存した。左右のある器官については, 左右とも固定・保存した。

性周期の確認 : サテライト群の雌の全例および主試験群の全例について剖検日の剖検前に膣垢を採取し, ギムザ染色を施して, 光学顕微鏡下で観察して性周期段階を確認した。このデータは器官重量または病理組織学的評価の補助とした。

器官・組織名 : 脳 (大脳, 小脳および脳橋), 脊髄, 下垂体, 胸腺, 甲状腺, 上皮小体, 副腎, 脾臓, 心臓, 食道, 胃, 肝臓, 膵臓, 顎下腺, 十二指腸, 空腸, 回腸 (パイエル板を含む), 盲腸, 結腸, 直腸, 気管, 肺および気管支, 腎臓, 膀胱, 精巣, 精巣上体, 前立腺, 精囊 (凝固腺含む), 卵巣, 子宮 (角部および頸部), 膣, 眼球およびハーダー腺, 乳腺 (右腹部), 大腿骨 (骨髄を含む, 右), 腸間膜リンパ節, 下顎リンパ節, 骨格筋 (大腿二頭筋, 右), および坐骨神経 (右)

3.10.1.10 器官重量測定

例数	: 全例
時期	: 剖検時
測定方法	: 電子式上皿天秤 (GR-200, 株式会社 エー・アンド・デイ) を用いて, 以下の器官の重量を測定した. 左右のある器官は左右合せて測定した. ただし, 甲状腺, 下垂体および精嚢は固定後に測定した.
器官・組織名	: 脳, 心臓, 肝臓, 腎臓, 精嚢, 精嚢上体, 精嚢 (凝固腺含む); 以上 (g) 下垂体, 甲状腺 (上皮小体含む), 脾臓, 胸腺, 副腎, 前立腺, 卵巣, 子宮; 以上 (mg)
相対重量の算出	: 絶対重量と剖検日に測定した体重から相対重量を算出した. 相対重量 (g/100 g または mg/100 g) $= [\text{絶対重量 (g または mg)} / \text{剖検日体重 (g)}] \times 100$

3.10.1.11 病理組織学的検査

例数	: 主試験群の雌雄およびサテライト群の雌 (投与終了時剖検例) は, 剖検時に固定・保存した対照群および高用量群の全器官・組織について標本作製を実施し, 全例について鏡検した. 鏡検の結果, 高用量群の雄の腎臓に被験物質投与に関連する変化として近位尿細管上皮の好酸性小体の発生が認められた (7 例中 2 例) ことから, 主試験群の低用量および中用量群の雄, ならびにサテライト群の回復終了時剖検の雄全例の腎臓の検査を実施した. また, 低用量群では, 剖検時にみられた肉眼的異常部位 (動物番号 10201 の精嚢および精嚢上体) についても鏡検した.
検査方法	: パラフィン包埋後薄切し, ヘマトキシリン・エオジン染色標本作製して鏡検した. 雄の腎臓では, 近位尿細管上皮の好酸性小体を同定するべく, 所見のみられた 1000 mg/kg 群の 2 例 (動物番号 10401 および 10407) について $\alpha 2\mu$ -グロブリン抗体を用いた免疫染色標本作製して鏡検した. なお, 比較のため, 対照群の 2 例 (動物番号 10101 および 10104) についても免疫染色して鏡検した.

3.10.2 生殖発生毒性

3.10.2.1 性周期検査

例数	: 主試験群の雌の全例
期間	: 投与開始日から交尾成立まで.
方法	: ギムザ染色による膣垢塗抹標本作製し, 光学顕微鏡下で性周期段階

を観察した。

判定 : 性周期の各段階 (発情前期, 発情期, 発情後期および発情間期) を 4 日から 6 日の間隔で繰り返すものを正常と判定した。

算出 : 投与 1 日から投与 14 日までの 14 日間について発情期間隔, 発情回数および性周期異常の動物数を算出した。

3.10.2.2 生殖能検査

例数 : 主試験群の雌雄の全例

交配組み合わせ : 同一群の雌雄を, 雌の動物番号末尾 2 桁が雄の動物番号末尾 2 桁に 50 を足したものとなるよう組み合わせた。

時期・方法 : 投与 14 日 (交配開始日) の夕刻から, 交配に組み合わせた雌雄を, 交尾が確認されるまで 4 日間連続同居させた。

交尾成立の確認方法 : 膈内または受皿上に落下した膈栓, あるいは膈垢スミア標本中の精子確認により判定した。いずれかが認められた日を妊娠 0 日とした。同居開始から交尾成立までの所要日数を計数した。

次式から群毎に交尾率を算出した。

雄の交尾率 (%) = (交尾成立雄数 / 同居させた雄数) × 100

雌の交尾率 (%) = (交尾成立雌数 / 同居させた雌数) × 100

受胎能 : 妊娠の確認を分娩の有無および剖検時に子宮内の着床痕の有無により行った。動物番号 50453 については, 剖検時に子宮内の着床痕が確認されなかったため不妊と判断した。

次式から群毎に受胎率を算出した。

雄の受胎率 (%) = (雌を妊娠させた雄数 / 交尾成立雄数) × 100

雌の受胎率 (%) = (妊娠雌数 / 交尾成立雌数) × 100

3.10.2.3 分娩および哺育状態観察

例数 : 交尾成立した雌の全例

分娩観察 : 交尾が確認された雌動物の全例について, 分娩状態を妊娠 21 日から 25 日まで, 毎日少なくとも 3 回 (9 : 00, 13 : 00 および 17 : 00) 観察した。妊娠動物は全例自然分娩させた。

分娩終了の確認 : 9 : 00 に母動物が児を巣の中に集めて腹の下に抱え込んでいるのが観察された場合に分娩終了とし, その日を哺育 0 日 (生後 0 日) とした。

出産率 : 1 匹以上の生存児を出産したものを正常出産とした。次式から群毎に出産率を算出した。

出産率 (%) = (正常出産雌数 / 妊娠雌数) × 100

- 妊娠期間の算出 : 妊娠 0 日から哺育 0 日までの期間を日数で表わした.
- 出産児の観察 : 生後 0 日のすべての出産児について生死を確認し, 外表を観察した.
 腹毎に生存児数と死亡児数とを計数し, それらの合計を出産児数とした. 次式から, 分娩率および生存児の外表異常児出現率を腹毎に, 外表異常児を持つ腹の頻度を群毎に算出した.
- $$\text{分娩率 (\%)} = (\text{生後 0 日の出産児数} / \text{着床数}) \times 100$$
- $$\text{外表異常児出現率 (\%)} = (\text{外表異常児数} / \text{出產生児数}) \times 100$$
- $$\text{外表異常児を持つ腹の頻度} = \text{外表異常児を持つ腹数} / \text{正常出産雌数}$$
- 出産児の性比の算出 : 生後 0 日に個々の児動物の性を肛門と生殖突起の間の長さで判定し, 群毎に以下を算出した.
- $$\text{生存出産児の性比 (\%)} = (\text{雄生存出産児数} / \text{生存出産児数}) \times 100$$
- $$\text{出産児の性比 (\%)} = (\text{雄出産児数} / \text{出産児数}) \times 100$$

3.10.2.4 哺育児数の調整

- 例数 : 全腹
- 時期 : 生後 4 日
- 調整方法 : 各腹の哺育児数が 8 匹となるように雌雄別は無作為に選抜した. 選抜する哺育児の数は原則として雌雄同数としたが, 1 腹の雄または雌の哺育児数が 4 匹未満の場合は総数が 8 匹となるよう (例えば雄 3 匹, 雌 5 匹) に調整した. 1 腹の哺育児数が 8 匹以下の場合は, そのまま哺育させた. 選抜されなかった哺育児は, 採血する動物は断頭で, その他の動物はペントバルビタールナトリウム (Pentobarbital Sodium Salt, 東京化成工業株式会社) を 60 mg/mL 含有する溶液の腹腔内注射により安楽死させた.

3.10.2.5 新生児の一般状態観察

- 例数 : 全例
- 頻度 : 1 回 / 日
- 期間 : 生後 0 日から生後 13 日 (剖検日) まで
- 観察方法 : 生存または死亡の確認, 一般状態を観察した.
 死亡例は発見後速やかに剖検し, Whole body を 10% 中性緩衝ホルマリン液で固定・保存した.

新生児生存率の算出 : 生後 0, 4 および 13 日の新生児生存率を次式から腹毎に算出した.

生後 0 日生存率 (%) = (生後 0 日生存児数 / 出産児数) × 100

生後 4 日生存率 (%)

= (生後 4 日生存児数 / 生後 0 日生存児数) × 100

生後 13 日生存率 (%)

= (生後 13 日生存児数 / 生後 4 日に選抜した児数) × 100

3.10.2.6 新生児の体重測定

例数 : 生存児全例

時期 : 生後 0, 4, 7 および 13 日

測定方法 : 電子式上皿天秤 (GX-2000, 株式会社エー・アンド・デイ) を用いて個体別に測定し, 0.1 g まで記録した. 雌雄別に腹あたりの平均体重を求めた.

3.10.2.7 新生児の肛門生殖突起間距離 (AGD)

例数 : 生存児全例

時期 : 生後 4 日

測定方法 : 個体別に肛門と生殖突起の間の長さを計測して記録した. 雌雄別に腹あたりの平均肛門生殖突起間距離を求めた. 加えて, 個々の平均肛門生殖突起間距離を体重の立方根で除した値を求め, 雌雄別に腹あたりの平均を求めた.

3.10.2.8 新生児の乳頭数

例数 : 雄生存児全例

時期 : 生後 13 日

計数方法 : 個々の新生児の乳頭数を計数した. 腹あたりの平均乳頭数を求めた.

3.10.2.9 新生児の血清 T4 濃度測定

例数 : 各腹の生存児 2 例. ただし, 採血の対象となる生存児が 1 匹の場合は 1 匹から血清を採取し, 生存児がいない場合は血清の採取は行わなかった.

時期 : 生後 4 日 (選抜されなかった哺育児) および生後 13 日

血清採取 : 生存児を断頭により安楽死させ, 遠沈管に血液を腹毎に採取してプールし, 遠心分離 (約 2000 × g, 10 分, 4°C) して血清を得た. 採取した血清は, ポリプロピレン製チューブ 2 本に約 50 μL ずつ (生後 4 日) または 4 本に約 100 μL ずつ (生後 13 日) 分注して凍結保存 (-80°C 設定)

し、測定時に融解して用いた。検査終了後の血清は、凍結保存 (-80°C 設定) し、試験終了日までに廃棄した。

測定方法 : ELISA 法で、生後 13 日の新生児の血清について T4 濃度を測定した ($n=2$)。生後 13 日の新生児の測定の結果、被験物質投与に関連する変化は認められなかったことから、生後 4 日の新生児の T4 濃度測定は行わなかった。

3.10.2.10 新生児の剖検

時期 : 生後 13 日

例数 : 全例

検査方法 : 体外表 (口腔内を含む) を観察し、採血する動物は断頭で、その他の動物についてはペントバルビタールナトリウムを 60 mg/mL 含有する溶液の腹腔内注射により安楽死させ、全身の器官・組織を肉眼的に観察した。各腹雌雄 1 例について、甲状腺を 10% 中性緩衝ホルマリンに固定・保存した。

3.11 統計学的方法

コンピュータシステム (MiTOX) を用いて実施した。

主試験群における握力 (3 回の平均)、自発運動量、体重、体重増加量、摂餌量、尿量、血液学的検査、血液化学的検査、器官の絶対重量および相対重量、発情期間隔、発情回数、交尾所要日数および着床数、出産児数、出産時の生存児数および死亡児数、分娩率、妊娠期間ならびに新生児の雌雄別体重、肛門生殖突起間距離、T4 濃度、乳頭数、外表異常児出現率および生存率の成績について群平均および標準偏差を算出し、Bartlett の検定法を行い、等分散性を解析した。等分散 ($p \geq 0.05$) の場合は一元配置分散分析法で解析し、不等分散 ($p < 0.05$) の場合は Kruskal-Wallis の検定法で解析した。一元配置分散分析の結果、有意差がみられた場合 ($p < 0.1$) は Dunnett の検定法を用いて対照群と被験物質投与群の間の有意差を検出した。

Kruskal-Wallis 法の解析の結果、有意差がみられた場合 ($p < 0.1$) は Steel の検定法を用いた。なお、新生児の雌雄別体重、外表異常児出現率、生存率、肛門生殖突起間距離および乳頭数については、1 腹を標本単位として処理した。

主試験群における詳細な状態観察、刺激に対する感覚運動反応、尿量を除く尿検査の成績について、Kruskal-Wallis の検定法で解析し、有意差がみられた場合 ($p < 0.1$) は Steel の検定法を用いて対照群と被験物質投与群の間の有意差を検出した。

性周期の異常の発現率、交尾率、受胎率、出産率、生後 0 日の出産児および生存児の性比および外表異常児を持つ腹の頻度ならびに病理組織学的検査 (主試験群およびサテライト群)

については、Fisher の正確確率検定法を用いた。

サテライト群における握力 (3 回の平均)、自発運動量、体重、体重増加量、摂餌量、尿量、血液学的検査、血液化学的検査、器官の絶対重量および相対重量の成績について、群平均および標準偏差を算出し、F 検定により等分散性を解析した。等分散 ($p \geq 0.05$) の場合は Student の t 検定、不等分散 ($p < 0.05$) の場合は Welch の検定を用いて対照群と高用量群の間の有意差を検出した。

サテライト群における詳細な状態観察、刺激に対する感覚運動反応、尿量を除く尿検査の成績について、Wilcoxon の順位和検定を用いて対照群と高用量群の間の有意差を検出した。

主試験群の雌で不妊が確認された動物については、妊娠期間の体重、体重増加量および摂餌量、T4 濃度、器官重量ならびに病理組織学的検査のデータを統計検定から除外した。

対照群との比較検定については、5%未満を有意とした。

3.12 コンピュータシステムの利用

以下に示すデータの収集には MiTOX を使用した。

オンラインデータ ; 親動物の一般状態、詳細な状態観察、機能検査 (刺激に対する感覚運動反応、握力。ただし、主試験群の雌を除く)、体重、摂餌量 (雌のサテライト群の投与 14 日の給餌量を除く)、血液学的検査 (PT, APTT を除く)、血液化学的検査 (T4 濃度を除く)、器官重量、病理組織学的検査、新生児の体重

オフラインデータ ; 機能検査 (自発運動量)、機能検査 (主試験群の雌の刺激に対する感覚運動反応および握力)、摂餌量 (雌のサテライト群の投与 14 日の給餌量)、尿検査、血液学的検査 (PT, APTT)、血液化学的検査 (T4 濃度)、性周期検査、生殖能検査、着床数、生存児数、死亡児数、親動物の剖検、ならびに新生児の一般状態、外表異常、性別、肛門生殖突起間距離および乳頭数

コンピュータプロトコールには、データ収集の項目、日程等を登録した。

4 成績

4.1 反復投与毒性

4.1.1 一般状態

一般状態の成績を Table 1-1 ~ 1-8, Appendix 1-1 ~ 1-28 に示す.

[投与期間]

(1) 雄：主試験群

対照群および被験物質投与群では、いずれの動物にも異常はみられなかった.

(2) 雌：主試験群

対照群および 100 および 300 mg/kg 群では、交配前期間、妊娠期間および哺育期間を通じて、いずれの動物にも異常はみられなかった. 1000 mg/kg 群では、妊娠 2 日の投与後によるめき歩行が 1 例 (動物番号 50452) にみられた. 症状は投与後 2 時間以内に発現し、翌日の投与前までに回復した. その他の動物には異常はみられなかった.

(3) 雌：サテライト群 (非交配群)

対照群では、いずれの動物にも異常はみられなかった. 1000 mg/kg 群では、投与 5 日の投与後に自発運動の低下が 1 例 (動物番号 50655), 投与 7 日の投与後によるめき歩行が 1 例 (動物番号 50652), ならびに投与 21 日および 26 日の投与後によるめき歩行が 1 例 (動物番号 50651) にみられた. 症状はいずれも投与後 2 時間以内に発現し、翌日の投与前までに回復した. その他の動物には異常はみられなかった.

[回復期間]

(1) 雄：サテライト群

対照群および 1000 mg/kg 群では、いずれの動物にも異常はみられなかった.

(2) 雌：サテライト群 (非交配群)

対照群および 1000 mg/kg 群では、いずれの動物にも異常はみられなかった.

4.1.2 詳細な状態観察

詳細な状態観察の成績を、Table 2-1 ~ 2-6, Appendix 2-1 ~ 2-70 (ケージの外から), Table 3-1 ~ 3-6, Appendix 3-1 ~ 3-70 (ケージから取り出す時) および Table 4-1 ~ 4-6, Appendix 4-1 ~ 4-70 (オープンフィールド内) にそれぞれ示す.

[投与期間]

(1) 雄：主試験群

いずれの項目にも被験物質投与群と対照群の間に有意な差はみられなかった.

(2) 雌：主試験群

100 および 300 mg/kg 群では、いずれの項目にも対照群と比較して有意な差はみられなかった. 1000 mg/kg 群では、投与 7 日、35 日および 42 日のオープンフィールド内の観察において

排尿有の動物数の有意な増加がみられた。

(3) 雌：サテライト群 (非交配群)

1000 mg/kg 群では、投与 7 日および 21 日のオープンフィールド内の観察において運動協調性によるめき (運動失調) が各 1 例 (動物番号 50652, 50651) にみられた。投与後の臨床症状の発現に関連する変化と考えられた。

[回復期間]

(1) 雄：サテライト群

1000 mg/kg 群では、いずれの項目にも対照群と比較して有意な差はみられなかった。

(2) 雌：サテライト群 (非交配群)

1000 mg/kg 群では、いずれの項目にも対照群と比較して有意な差はみられなかった。

4.1.3 機能検査

刺激に対する感覚運動反応の成績を Table 5-1 ~ 5-4, Appendix 5-1 ~ 5-12, 握力の成績を Table 6-1 ~ 6-4, Appendix 6-1 ~ 6-12, 自発運動量の成績を Table 7-1 ~ 7-4, Appendix 7-1 ~ 7-12 に示す。

[投与期間]

(1) 雄：主試験群 (投与 4 週)

被験物質投与群では、いずれの項目にも対照群と比較して有意な差はみられなかった。

(2) 雌：主試験群 (哺育 13 日)

100 および 300 mg/kg 群では、いずれの項目にも対照群と比較して有意な差はみられなかった。1000 mg/kg 群では、前肢の握力に対照群と比較して有意な低値がみられた。また、自発運動量の計測において 10~20 分に有意な低値がみられた。さらに、有意な差はなかったものの、20~30 分および 30~40 分にも低値傾向が認められ、前肢握力の低下や投与後の臨床症状による可能性が示唆されることから、被験物質投与に関連した変化であると考えられた。刺激に対する感覚運動反応の成績には有意な差はみられなかった。

(3) 雌：サテライト群 (非交配群, 投与 4 週)

1000 mg/kg 群では、前肢の握力が対照群と比較して有意な低値がみられた。刺激に対する感覚運動反応の成績および自発運動量には有意な差はみられなかった。

[回復期間]

(1) 雌：サテライト群 (非交配群, 回復 2 週)

1000 mg/kg 群では、いずれの項目にも対照群と比較して有意な差はみられなかった。

4.1.4 体重

体重を Figure 1-1 ~ 1-3, Table 8-1 ~ 8-7, Appendix 8-1 ~ 8-22 に示す.

[投与期間]

(1) 雄：主試験群

被験物質投与群では、体重および体重増加量に对照群と比較して有意な差はみられなかった.

(2) 雌：主試験群

いずれの被験物質投与群においても、交配前期間、妊娠期間および哺育期間の体重および体重増加量に、对照群と比較して有意な差はみられなかった.

(3) 雌：サテライト群 (非交配群)

1000 mg/kg 群では、体重および体重増加量に对照群と比較して有意な差はみられなかった.

[回復期間]

(1) 雄：サテライト群

1000 mg/kg 群では、体重および体重増加量に对照群と比較して有意な差はみられなかった.

(2) 雌：サテライト群 (非交配群)

1000 mg/kg 群では、体重および体重増加量に对照群と比較して有意な差はみられなかった.

4.1.5 摂餌量

摂餌量を Figure 2-1 ~ 2-3, Table 9-1 ~ 9-7, Appendix 9-1 ~ 9-22 に示す.

[投与期間]

(1) 雄：主試験群

被験物質投与群では、摂餌量に对照群と比較して有意な差はみられなかった.

(2) 雌：主試験群

100 および 300 mg/kg 群では、交配前期間、妊娠期間および哺育期間の摂餌量に、对照群と比較して有意な差はみられなかった. 1000 mg/kg 群では、交配前期間に有意な低値がみられたが、妊娠・哺育期間には有意な差は認められなかった.

(3) 雌：サテライト群 (非交配群)

1000 mg/kg 群では、摂餌量に对照群と比較して有意な差はみられなかった.

[回復期間]

(1) 雄：サテライト群

1000 mg/kg 群では、回復 14 日の摂餌量に对照群と比較して有意な高値がみられたが、投与のストレスが無かったことによる反動性の変化と考えられた.

(2) 雌：サテライト群 (非交配群)

1000 mg/kg 群では、摂餌量に对照群と比較して有意な差はみられなかった.

4.1.6 尿検査

尿検査の成績を Table 10-1 ~ 10-21, Appendix 10-1 ~ 10-30 に示す.

[投与 4 週]

(1) 雄：主試験群

被験物質投与群では、いずれの項目にも対照群と比較して有意な差はみられなかった.

(2) 雌：サテライト群 (非交配群)

1000 mg/kg 群では、いずれの項目にも対照群と比較して有意な差はみられなかった.

[回復 2 週]

(1) 雄：サテライト群

1000 mg/kg 群では、いずれの項目にも対照群と比較して有意な差はみられなかった.

(2) 雌：サテライト群 (非交配群)

1000 mg/kg 群では、いずれの項目にも対照群と比較して有意な差はみられなかった.

4.1.7 血液学的検査

血液学的検査の成績を Table 11-1 ~ 11-5, Appendix 11-1 ~ 11-14 に示す.

[投与期間終了時]

(1) 雄：主試験群

100 および 300 mg/kg 群では、いずれの項目にも対照群と比較して有意な差はみられなかった. 1000 mg/kg 群では、血小板数に有意な高値がみられた. しかし、その他の項目に変化がみられないこと、骨髄の病理組織検査で異常はみられないこと、ならびに個々の値は試験施設の背景データ (平均値 $\pm$ SD 109.07 $\pm$ 12.10, 最小値~最大値 85.0~142.0 $10^4/\mu$ L, 例数 70, 試験期間 2022~2024 年)⁶⁾ の範囲内にあることから、毒性学的意義はないと考えられた.

(2) 雌：主試験群

100 および 300 mg/kg 群では、いずれの項目にも対照群と比較して有意な差はみられなかった. 1000 mg/kg 群では、APTT に有意な低値がみられた. しかし、この項目の低値は臨床的意義に乏しいことから、偶発的な変動と考えられた.

(3) 雌：サテライト群 (非交配群)

1000 mg/kg 群では、いずれの項目にも対照群と比較して有意な差はみられなかった.

[回復期間終了時]

(1) 雄：サテライト群

1000 mg/kg 群では、対照群と比較して好酸球数 (Eosinophil) に有意な低値がみられたが、投与期間終了時にはみられない変化であり、関連項目に変化がみられないことから、偶発性の変動と考えられた.

(2) 雌：サテライト群 (非交配群)

1000 mg/kg 群では、いずれの項目にも対照群と比較して有意な差はみられなかった。

4.1.8 血液化学的検査

血液化学的検査の成績を Table 12-1 ~ 12-7, Appendix 12-1 ~ 12-14 に示す。

[投与期間終了時]

(1) 雄：主試験群

被験物質投与群では、いずれの項目にも対照群と比較して有意な差はみられなかった。

(2) 雌：主試験群

100 および 300 mg/kg 群では、いずれの項目にも対照群と比較して有意な差はみられなかった。1000 mg/kg 群では、対照群と比較して総ビリルビンに有意な低値がみられた。しかし、この項目の低値については臨床的意義に乏しく、貧血も認められないことから、偶発的な変動と考えられた。その他の項目には有意な変化は認められなかった。

(3) 雌：サテライト群 (非交配群)

1000 mg/kg 群では、対照群と比較して総ビリルビンと TBA に有意な低値がみられた。しかし、これらの項目の低値については臨床的意義に乏しく、貧血やコレステロール値の変化も認められないことから、偶発的な変動と考えられた。

[回復期間終了時]

(1) 雄：サテライト群

1000 mg/kg 群では、 γ -GTP および無機リンに対照群と比較して有意な高値がみられた。しかし、いずれも投与期間終了時にはみられない変化であり、個々の値は試験施設の背景データ (γ -GTP：平均値 $\pm$ SD 0.53 ± 0.19 ，最小値～最大値 0.2～1.2 IU/L，無機リン：平均値 $\pm$ SD 6.27 ± 0.63 ，最小値～最大値 5.3～8.1 mg/dL，例数 35，試験期間 2019～2022 年)⁷⁾ の範囲内にあることから、毒性学的意義はないと考えられた。また、A/G 比および蛋白分画のアルブミンに有意な低値，蛋白分画の α 1-グロブリンに有意な高値がみられたが、これらの変化も投与期間終了時には観察されておらず、差異も僅かであったため、偶発的な変動であると考えられた。

(2) 雌：サテライト群 (非交配群)

1000 mg/kg 群では、グルコースに対照群と比較して有意な高値がみられた。しかし、投与期間終了時にはみられない変化であり、個々の値は試験施設の背景データ (平均値 $\pm$ SD 150.0 ± 18.8 ，最小値～最大値 113～192 mg/dL，例数 35，試験期間 2019～2022 年)⁷⁾ の範囲内にあることから、毒性学的意義はないと考えられた。

4.1.9 血清 T4 濃度

血清 T4 濃度を Table 13-1～13-5, Appendix 13-1～13-14 に示す.

[投与期間終了時]

(1) 雄：主試験群

雄親動物の血清 T4 濃度には, 1000 mg/kg 群において, 対照群と比較して有意な低値がみられた.

(2) 雌：主試験群

分娩後 14 日の T4 濃度には, いずれの被験物質投与群においても対照群と比較して有意な差はみられなかった.

(3) 雌：サテライト群 (非交配群)

1000 mg/kg 群では, 対照群と比較して有意な差はみられなかった.

[回復期間]

(1) 雄：サテライト群

1000 mg/kg 群では, 対照群と比較して有意な差はみられず, 回復性が認められた.

(2) 雌：サテライト群 (非交配群)

1000 mg/kg 群では, 対照群と比較して有意な差はみられなかった.

4.1.10 剖検

剖検所見を Table 14-1～14-6, Appendix 14-1～14-14 に示す.

[投与期間終了時]

(1) 雄：主試験群

100 mg/kg 群では, 精巣 (左) および精巣上体 (左) の小型が 1 例 (動物番号 10201) にみられたが, 300 および 1000 mg/kg 群では異常所見は認められなかったことから, 被験物質投与と関連しない変化と考えられた.

(2) 雌：主試験群

対照群および被験物質投与群では, いずれの動物にも異常所見はみられなかった.

(3) 雌：サテライト群 (非交配群)

対照群および 1000 mg/kg 群では, いずれの動物にも異常所見はみられなかった.

[回復期間終了時]

(1) 雄：サテライト群

対照群および 1000 mg/kg 群ともに異常所見はみられなかった.

(2) 雌：サテライト群 (非交配群)

対照群および 1000 mg/kg 群ともに異常所見はみられなかった.

4.1.11 器官重量

器官重量を Table 15-1 ~ 15-7, Appendix 15-1 ~ 15-20 に示す.

[投与期間終了時]

(1) 雄：主試験群

100 mg/kg 群では、腎臓の相対重量および精囊の絶対重量に对照群と比較して有意な高値がみられたが、用量に依存しない変化であり偶発的な変動と考えられた。300 mg/kg 群では、肝臓の絶対重量に高値傾向、相対重量に有意な高値がみられた。1000 mg/kg 群では、肝臓および腎臓の絶対および相対重量に有意な高値がみられた。また、同群では精囊の絶対重量に有意な高値がみられたが、相対重量には有意な差は認められなかったことと、個々の値は試験施設の背景データ (平均値 $\pm$ SD 2.348 $\pm$ 0.380, 最小値~最大値 1.09~3.09 g; 例数 49, 試験期間 2019~2022 年)⁸⁾ の範囲内にあり、病理組織学的変化もみられなかったことから、毒性学的意義はないと考えられた。

(2) 雌：主試験群

100 mg/kg 群では、对照群と比較して甲状腺の絶対重量に有意な高値、卵巣の相対重量に有意な低値がみられたが、用量に依存しない変化であり偶発的な変動と考えられた。300 mg/kg 群では、測定したいずれの器官重量にも、对照群と比較して有意な差はみられなかった。1000 mg/kg 群では、肝臓の絶対および相対重量に有意な高値がみられた。

(3) 雌：サテライト群 (非交配群)

1000 mg/kg 群では、肝臓の相対重量に对照群と比較して有意な高値がみられた。その他の器官重量には、对照群と比較して有意な差はみられなかった。

[回復期間終了時]

(1) 雄：サテライト群

1000 mg/kg 群では、肝臓の絶対および相対重量に对照群と比較して有意な高値がみられた。これらの変化は投与期間終了時と比較して程度が軽減していたことから、回復性が認められると考えられた。

(2) 雌：サテライト群 (非交配群)

1000 mg/kg 群では、測定したいずれの器官重量にも、对照群と比較して有意な差はみられなかったことから、回復性が認められた。

4.1.12 病理組織学的検査

病理組織学的所見を Table 16-1 ~ 16-22, Appendix 16-1 ~ 16-23 に示す.

[投与期間終了時]

(1) 雄：主試験群

全試験群を検査した腎臓では、1000 mg/kg 群でのみ、近位尿細管上皮の好酸性小体 (軽微) が、

統計学的に有意な差ではなかったが、2/7 例に認められた。この所見は、 $\alpha 2u$ -グロブリン抗体による免疫染色の結果陽性であった。1000 mg/kg 群では、その他に限局性の尿細管好塩基性化 (軽微) が 1/7 例、梗塞 (軽微) が 1/7 例にみられた。また、100 mg/kg 群では限局性の尿細管好塩基性化 (軽微) が 1/12 例、硝子円柱 (軽微) が 1/12 例、嚢胞 (軽微) が 1/12 例、300 mg/kg 群では限局性の間質の炎症性細胞浸潤 (軽微) が 1/12 例にみられた。

その他の器官・組織の検査では、対照群で、前立腺に間質の炎症が 6/7 例 (軽微 5, 中等度 1), 甲状腺に鰓後体遺残が 1/7 例 (軽微) にみられ、1000 mg/kg 群では、前立腺に間質の炎症が 5/7 例 (軽微 3, 軽度 2), 甲状腺に鰓後体遺残が 2/7 例 (軽微), ハーダー腺に限局性の炎症性細胞浸潤が 1/7 例 (軽微) にみられた。

1000 mg/kg 群において相手雌が不妊だった動物では、生殖能異常の原因と考えられる異常は認められなかった。また、低用量群において肉眼的異常のみられた動物番号 10201 では、精巣に重度の精細管変性または萎縮、精巣上体に軽微な内腔の細胞残屑および重度の精子細胞減少がみられた。

(2) 雌：主試験群

対照群では、肺に肺泡マクロファージ集簇が 1/12 例 (軽微), 限局性の出血が 1/12 例 (軽微), 脾臓の間質の炎症性細胞浸潤が 1/12 例 (軽微), 肝臓に小肉芽腫が 1/12 例 (軽微), 胸腺に上皮遺残が 3/12 例 (軽微), 甲状腺に鰓後体遺残が 3/12 例 (軽微) にみられた。

1000 mg/kg 群では、肺に肺泡マクロファージ集簇が 1/11 例 (軽微), 限局性の出血が 1/11 例 (軽微), 脾臓に限局性の腺房細胞萎縮が 1/11 例 (軽微), 肝臓に限局性壊死が 1/11 例 (軽微), 胸腺に上皮遺残が 1/11 例 (軽微), 甲状腺に鰓後体遺残が 4/11 例 (軽微) にみられた。

(3) 雌：サテライト群 (非交配群)

対照群では、脾臓の間質の炎症性細胞浸潤が 1/5 例 (軽微), 胸腺に上皮遺残が 1/5 例 (軽微), 甲状腺に鰓後体遺残が 1/5 例 (軽微), ハーダー腺に限局性の炎症性細胞浸潤が 1/5 例 (軽微) にみられた。1000 mg/kg 群では、甲状腺に鰓後体遺残が 3/5 例 (軽微) にみられた。

主試験群およびサテライト群の 1000 mg/kg 群でみられた以上の異常所見はいずれも、対照群または試験施設の背景データ⁹⁾に認められる所見,あるいは発現頻度に対照群と比較して有意な差はみられないことから、被験物質投与と関連のない変化と考えられた。

[回復期間終了時]

(1) 雄：サテライト群

腎臓の検査では、対照群に異常はみられなかったが、1000 mg/kg 群では、近位尿細管上皮の好酸性小体 (軽微) が 1/5 例, 限局性の尿細管好塩基性化 (軽微) が 2/5 例にみられた。

4.2 生殖発生毒性

4.2.1 性周期検査

性周期検査の成績を Table 17, Appendix 17-1 ~ 17-8 に示す.

交配前 14 日間の性周期観察において, 性周期の異常の発現率, 発情期間隔および発情回数には被験物質投与群と対照群の間に有意な差はみられなかった.

4.2.2 生殖能検査

生殖能検査の成績を Table 18-1 および 18-2, Appendix 18-1 ~ 18-8 に示す.

交尾率, 受胎率および交尾所要日数には, 被験物質投与群と対照群の間に有意な差はみられなかった.

4.2.3 分娩および哺育状態観察

分娩および哺育状態観察の成績を Table 19-1 および 19-2, Appendix 19-1 ~ 19-8 に示す.

着床数, 分娩率, 妊娠期間, 出産率, 出産児数, 出産時の生存児数および死亡児数, ならびに性比には, 被験物質投与群と対照群の間に有意な差はみられなかった. 出産生児の外表検査では, いずれの動物にも異常はみられなかった.

4.2.4 新生児の一般状態および生存率

新生児の一般状態および生存率の成績を Table 20 および 21, Appendix 20-1 ~ 20-16 および 21-1 ~ 21-4 に示す.

生後 0 日から 4 日の一般状態観察では, 300 mg/kg 群の雄 1 例 (母動物番号 50357) に尾に欠落がみられた. その他の試験群では異常はみられなかった. 生後 5 日から 13 日の一般状態観察では, 300 mg/kg 群の雌 1 例 (母動物番号 50353) に耳介小型 (右) がみられた. 100 および 1000 mg/kg 群では異常はみられなかった. 生後 0 日, 4 日および 13 日の新生児の生存率には, 被験物質投与群と対照群の間に有意な差はみられなかった.

4.2.5 新生児の体重

新生児の体重を Figure 3, Table 22, Appendix 22-1 ~ 22-4 に示す.

いずれの被験物質投与群においても, 生後 0 日, 4 日, 7 日および 13 日の体重に, 雌雄とも対照群と比較して有意な差はみられなかった.

4.2.6 新生児の肛門生殖突起間距離 (AGD)

新生児の肛門生殖突起間距離を Table 23, Appendix 23-1 ~ 23-4 に示す.

生後 4 日の肛門生殖突起間距離および体重の立方根で除した値には, 雌雄とも被験物質投与群と対照群の間に有意な差はみられなかった.

4.2.7 新生児の乳頭数

新生児の乳頭数を Table 24, Appendix 24-1 ~ 24-4 に示す.

乳頭は、生後 13 日の雄新生児のいずれにも観察されなかった.

4.2.8 新生児の血清 T4 濃度

生後 13 日の新生児の血清 T4 濃度を Table 25, Appendix 25-1 ~ 25-4 に示す.

生後 13 日の新生児の血清 T4 濃度には、被験物質投与群と対照群の間に有意な差はみられなかった.

4.2.9 新生児の剖検

新生児の剖検所見を Table 26, Appendix 26-1 ~ 26-4 に示す.

生後 13 日の生存児の剖検では、300 mg/kg 群の雌 1 例に耳介小型がみられたが、1000 mg/kg 群では異常所見は認められなかったことから、被験物質投与に関連しない変化と考えられた. 対照群および 100 mg/kg 群では異常所見は認められなかった.

生後 0-5 日の間に発見された死亡児では、いずれの動物にも異常はみられなかった. 生後 6-13 日の間には死亡児はみられなかった.

5 考察

5.1 反復投与毒性

100 mg/kg 群では、いずれの検査項目にも、雌雄とも被験物質投与に関連する変化はみられなかった.

300 mg/kg 群では、雄で肝臓の絶対重量に高値傾向、相対重量に有意な高値がみられ、用量依存性が認められることから、被験物質投与に関連する変化と考えられた.

1000 mg/kg 群では、雄で T4 濃度の減少、腎臓重量の高値、雌で投与後の症状としてよろめき歩行および自発運動の低下、オープンフィールド内の詳細な状態観察における変化としてよろめき（運動失調）、握力の低下と自発運動量の低値、摂餌量の抑制、雌雄で肝臓重量の高値がみられ、いずれも被験物質投与に関連する変化と考えられた. これらのうち雌の投与後の症状の発現、運動失調、ならびに握力および自発運動量の低下については、運動機能の障害を主体とする神経系への影響が示唆された. T4 濃度の減少については、甲状腺重量または病理組織学的検査で変化は認められなかったことから、毒性学的意義は不明であった. また、肝臓では、病理組織学的変化や逸脱酵素の増加はみられなかった.

雄の腎臓の病理組織学的検査において、1000 mg/kg 群でのみ 2/7 例で近位尿細管上皮の好酸性小体の発現がみられ、被験物質投与に関連した変化と考えられた. この所見は、 α 2u-グロブリン抗体による免疫染色を施した結果陽性であったことから、 α 2u-グロブリン腎症と判断された. しかし、 α 2u-グロブリン腎症は雄ラットに特有な変化であることから、ヒトには外挿でき

ないとされており¹⁰⁾、毒性影響ではないと考えられた。同群の腎臓の絶対および相対重量の高値についても、 $\alpha 2u$ -グロブリン腎症と関連する変化と考えられた。

以上の変化は、いずれも回復期間および回復期間終了時の検査では認められないか程度が軽減しており、回復性を示した。なお、雄の摂餌量に反動性の高値がみられた。

以上のように、300 mg/kg 群において雄の肝臓重量に、1000 mg/kg 群において、雄で T4 濃度、腎臓重量、雌で一般状態、詳細な状態観察、機能検査、摂餌量、雌雄の肝臓重量に被験物質投与に起因する毒性影響がみられた。したがって、本試験条件下における[2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールの反復投与毒性に関する無毒性量 (NOAEL) は雄で 100 mg/kg/day、雌で 300 mg/kg/day と考えられた。

5.2 生殖発生毒性

主試験群の生殖能検査および新生児の検査では、1000 mg/kg 群まで、いずれの項目にも被験物質投与に関連する変化はみられなかった。

したがって、本試験条件下における[2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールの親動物の生殖能ならびに新生児の発生に対する無毒性量 (NOAEL) はいずれも 1000 mg/kg/day と考えられた。

6 試験成績の信頼性に影響を及ぼしたと思われる環境要因

試験成績の信頼性に影響を及ぼしたと思われる環境要因はなかった。

7 資料の保存

7.1 資料の種類

以下を株式会社化合物安全性研究所の資料保存室に保存する。

1. 試験計画書および試験計画書変更書
2. 生データその他の記録文書
3. 最終報告書
4. 標本
5. 被験物質サンプル

7.2 保存期間

試験終了後 5 年間保存し、その後の保存については試験委託者との協議により決定する。

7.3 試験場所での保存期間

Annex 2 および 3 に従う。

8 参考資料

- 1) 安全データシート : Tri(propylene glycol) methyl ether, mixture of isomers, [REDACTED]
[REDACTED]
- 2) Chemical Book website : トリプロピレングリコールモノメチルエーテル (異性体混合物)
- 3) The Toxicology of Glycol Ethers and its Relevance to Man (Fourth Edition): ECETOC Technical Report No. 95 (2005)
- 4) 安全データシート : Tripropylene Glycol Monomethyl Ether (mixture of isomer), [REDACTED]
[REDACTED]
- 5) 最終報告書 : [2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールのラットにおける反復投与毒性・生殖発生毒性併合試験のための予備試験 (SR24017), 株式会社化合物安全性研究所 2024 年
- 6) 血液学的検査 背景データ Crl:CD(SD) ラット (雌雄 : 12~16 週齢) (2022~2024 年) 株式会社化合物安全性研究所 社内資料
- 7) 血液化学的検査 背景データ Crl:CD(SD) ラット (雌雄 : 16~18 週齢) (2019~2022 年) 株式会社化合物安全性研究所 社内資料
- 8) 器官重量 背景データ Crl:CD(SD) ラット (雄 : 16~18 週齢) (2019~2022 年) 株式会社化合物安全性研究所 社内資料
- 9) 病理組織学的検査 背景データ Crl:CD(SD) ラット (雌雄 : 16~18 週齢) (2019~2024 年) 株式会社化合物安全性研究所 社内資料
- 10) Swenberg, J.A., Short, B., Borghoff, S., Strasser, J., Charbonneau, M. (1989) The Comparative Pathobiology of α_2 -Globulin Nephropathy. Toxicol. Appl. Pharmacol. 97, 35-46.

Figure 1 - 1

Study No. : SR24018

Body weight, Male

Period : Administration Day 1-28, Recovery Day 1-14

Species : Rat

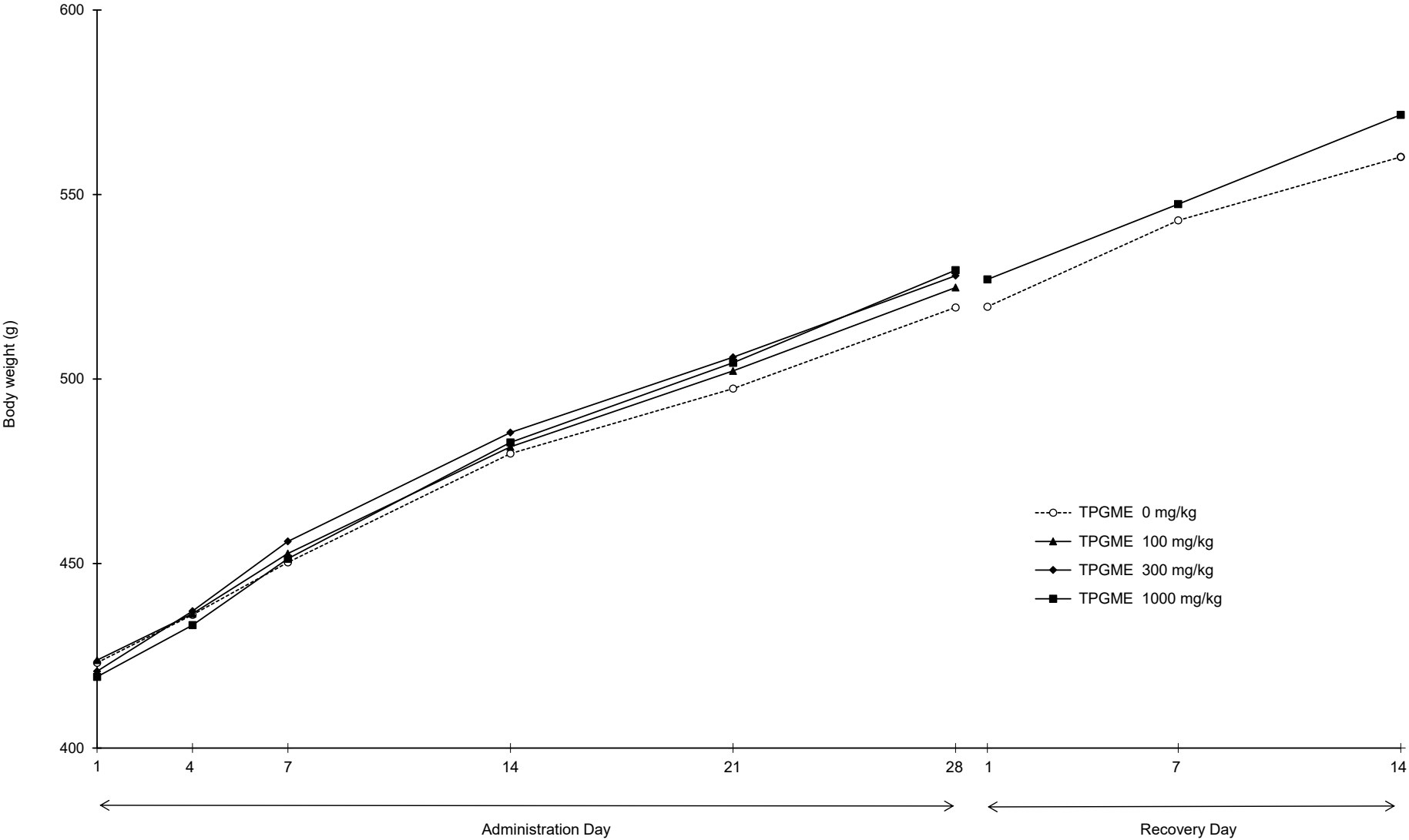


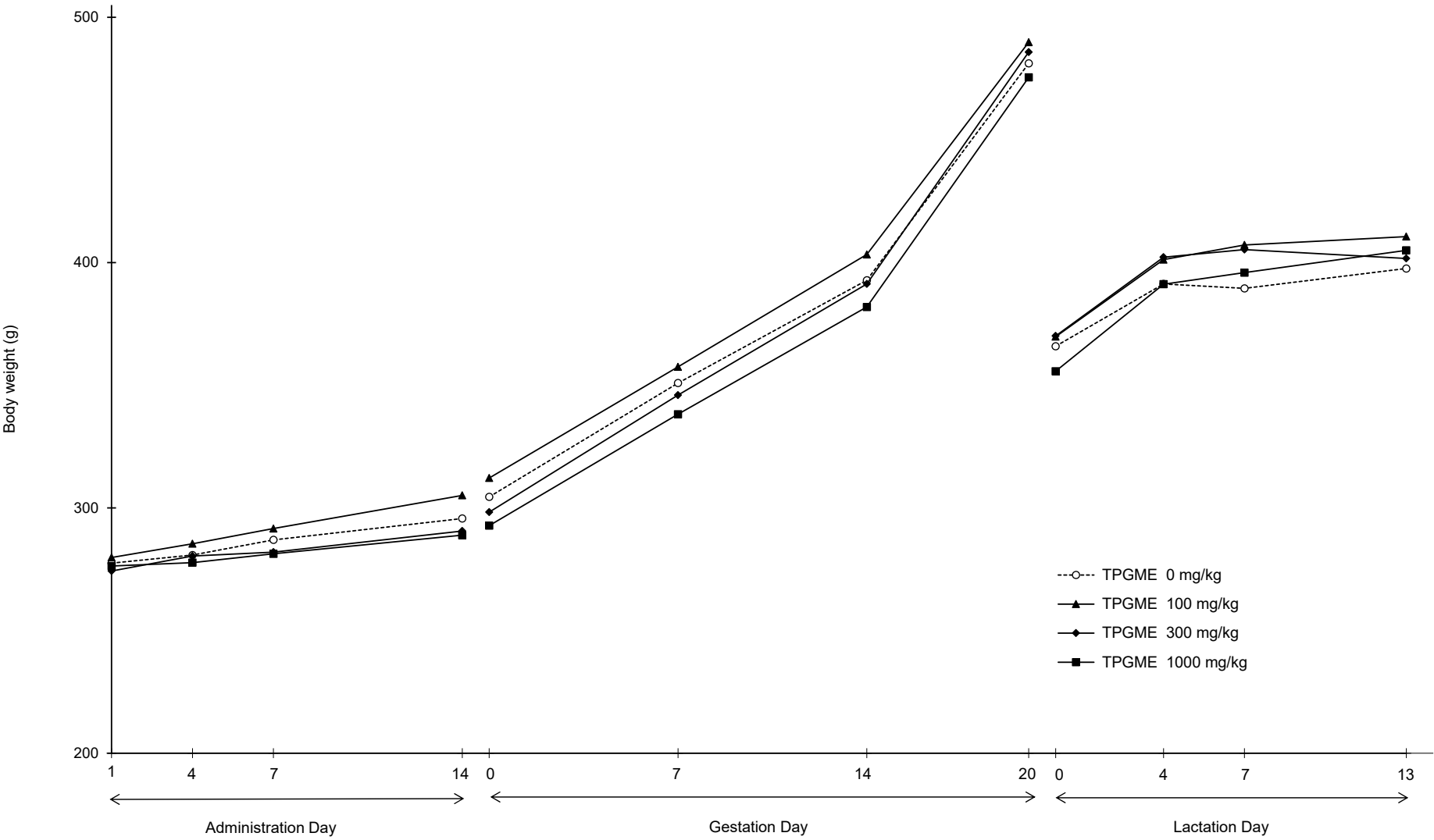
Figure 1 - 2

Study No. : SR24018

Body weight, Female

Period : Administration Day 1-14, Gestation Day 0-20, Lactation Day 0-13

Species : Rat



Not significantly different from TPGME 0 mg/kg

Figure 1 - 3

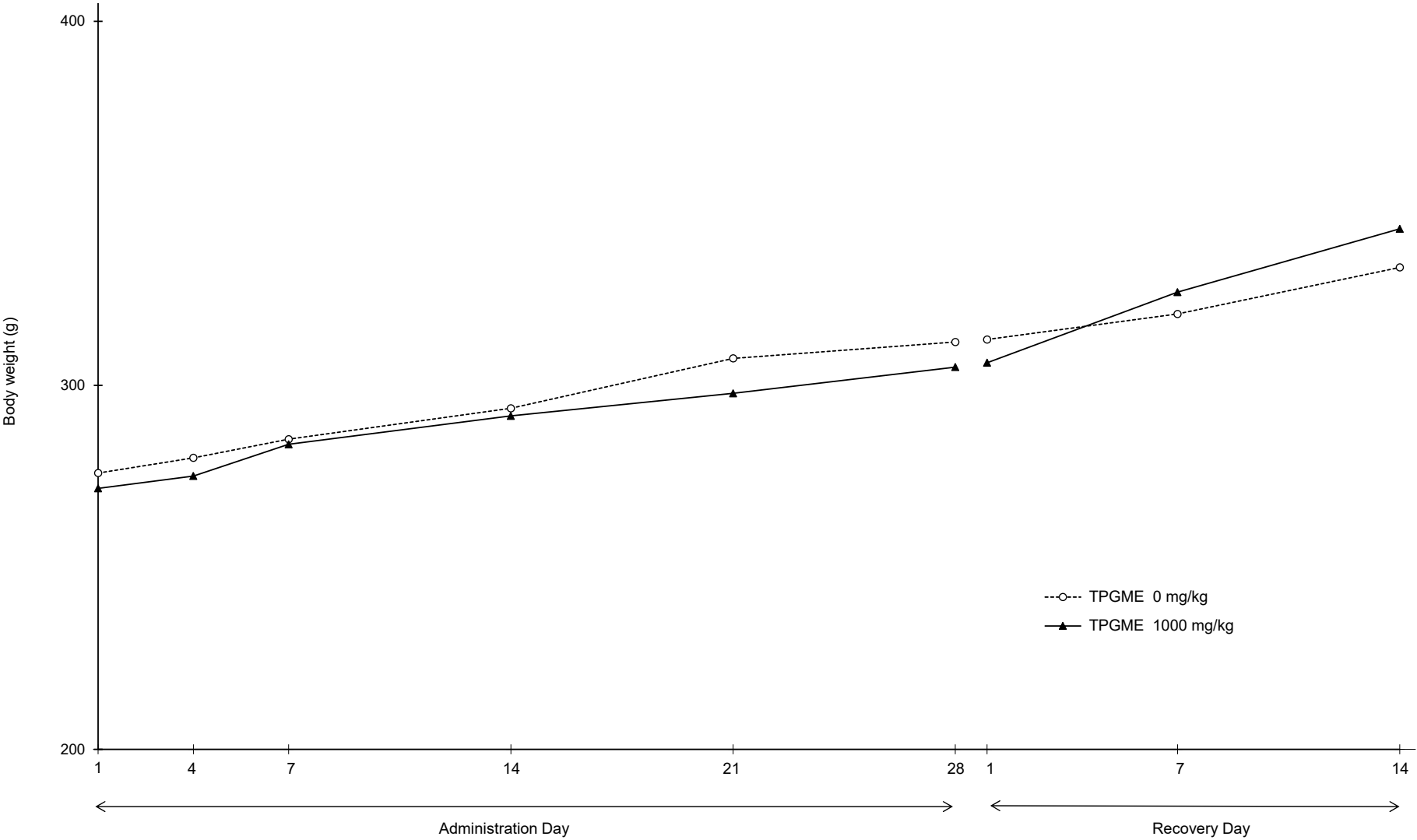
Study No. : SR24018

Body weight, Female (satellite)

Period : Administration Day 1-28, Recovery Day 1-14

Species : Rat

- 48 -



Not significantly different from TPGME 0 mg/kg

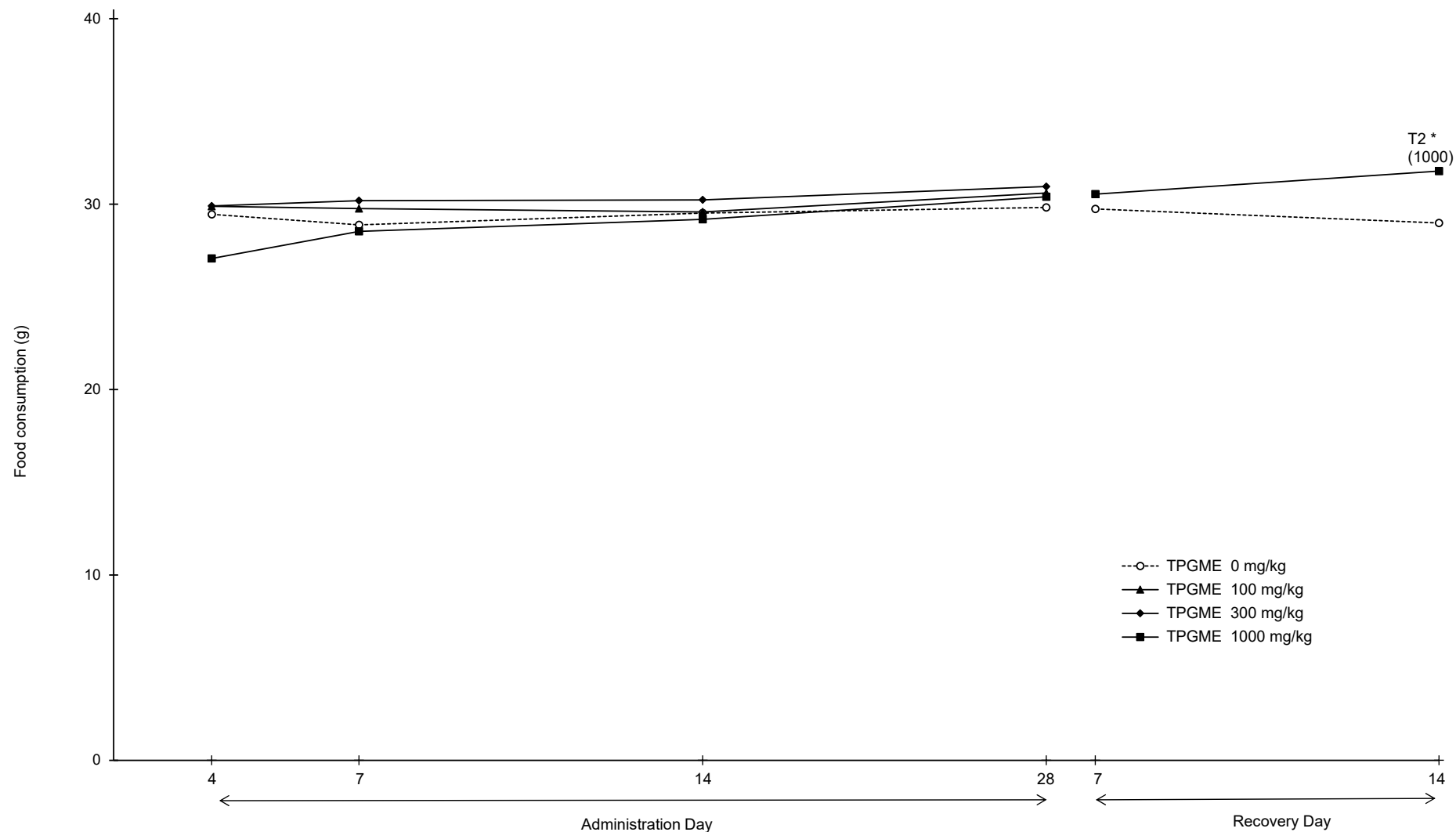
Figure 2 - 1

Study No. : SR24018

Food consumption, Male

Period : Administration Day 1-28, Recovery Day 1-14

Species : Rat



Significantly different from TPGME 0 mg/kg: * P<0.05
T2 : Student t-test (two-side)

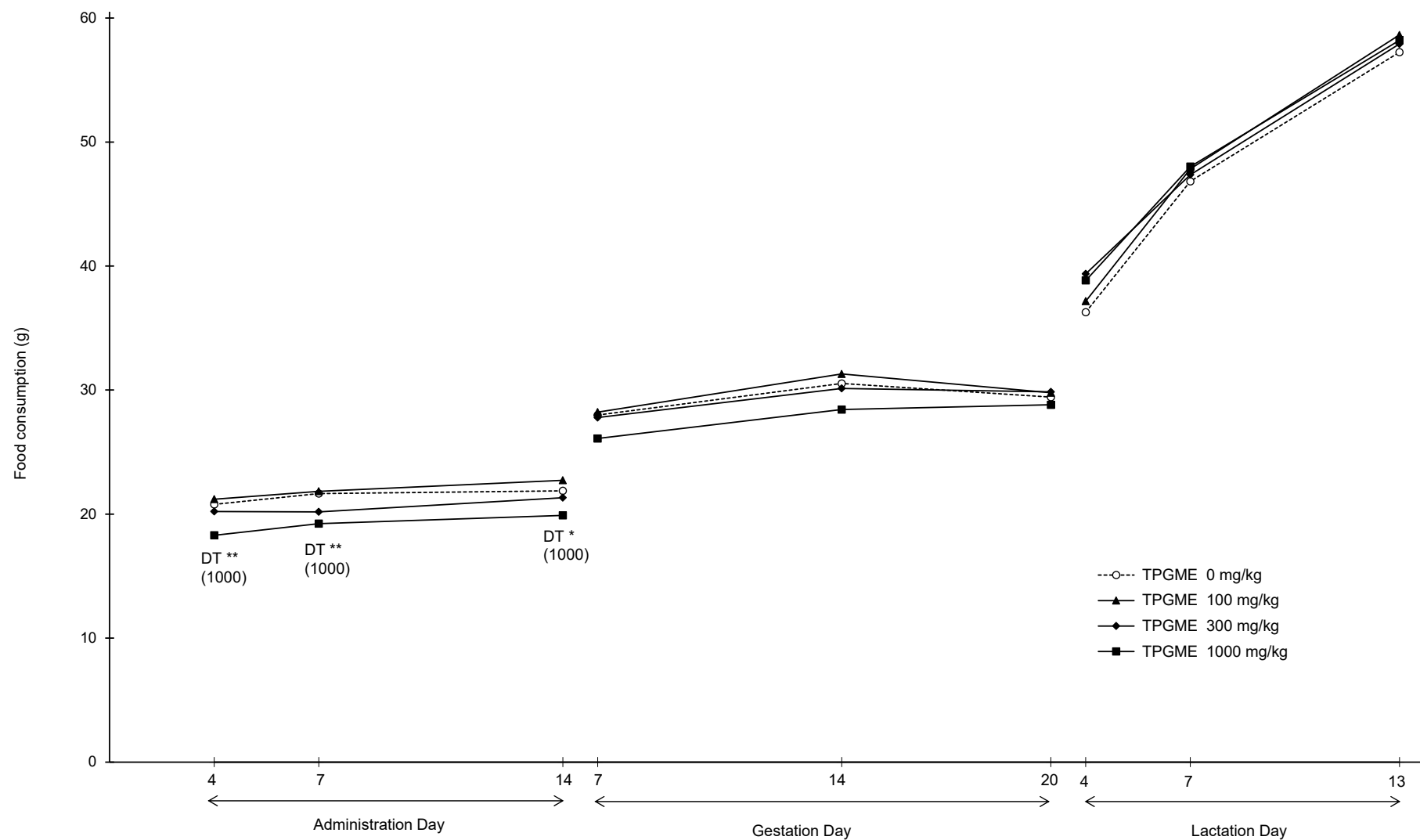
Figure 2 - 2

Study No. : SR24018

Food consumption, Female

Period : Administration Day 1-14, Gestation Day 0-20, Lactation Day 0-13

Species : Rat



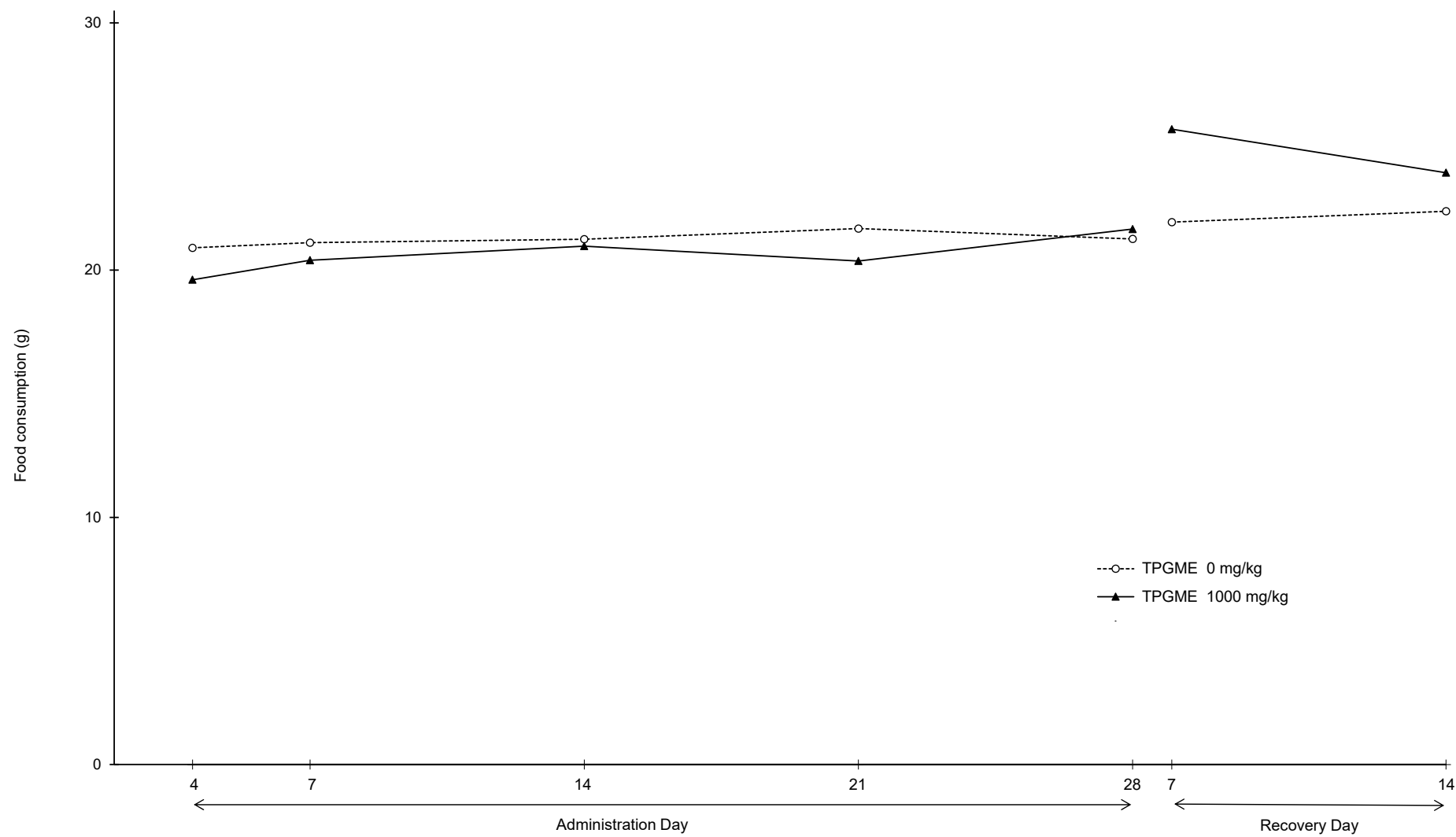
Significantly different from TPGME 0 mg/kg: * P<0.05, ** P<0.01
DT : Dunnett test (two-side)

Figure 2 - 3

Study No. : SR24018

Food consumption, Female (satellite) Period : Administration Day 1-28, Recovery Day 1-14

Species : Rat



Not significantly different from TPGME 0 mg/kg

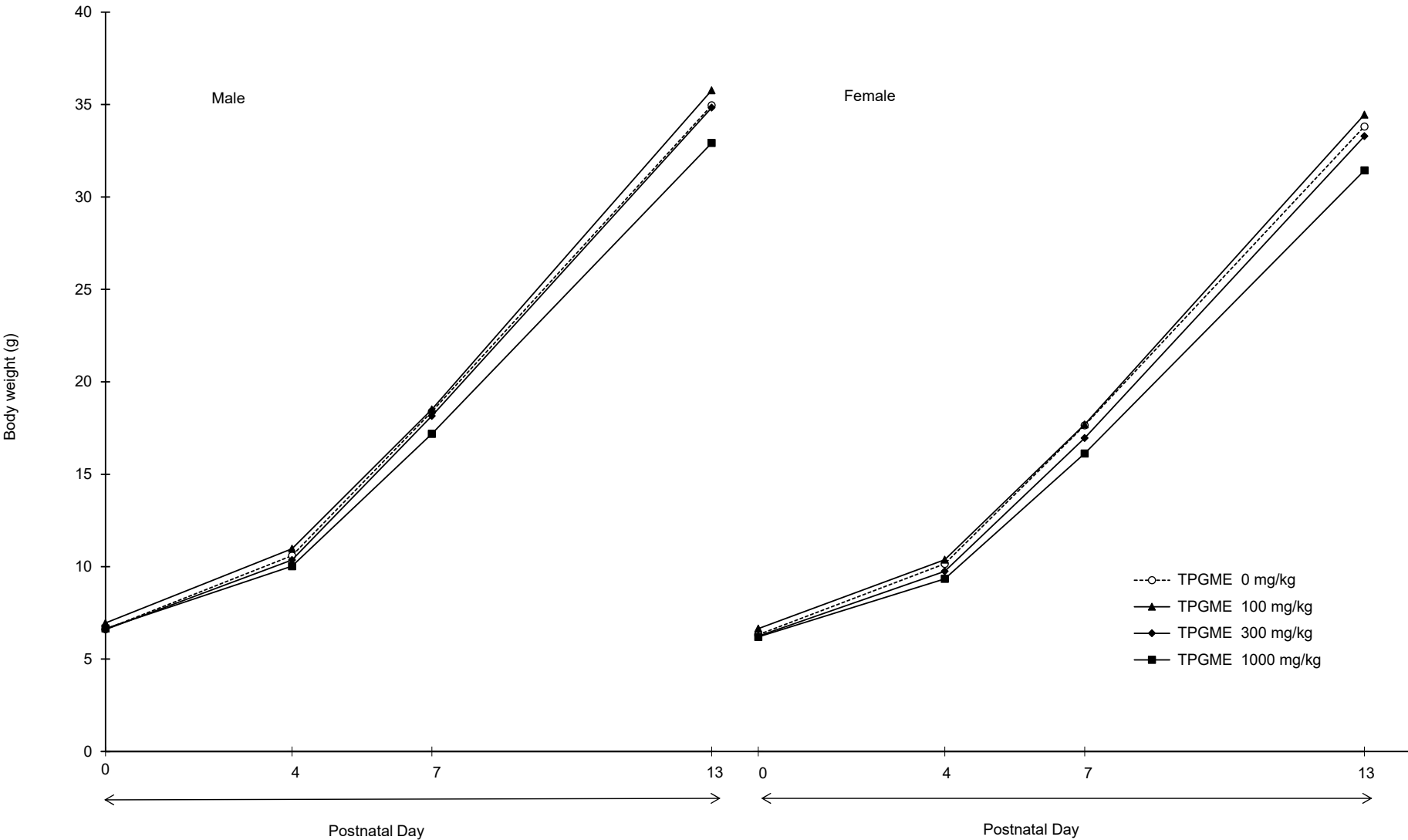
Figure 3

Study No. : SR24018

Body weight of offspring

Period : Postnatal Day 0-13

Species : Rat



Not significantly different from TPGME 0 mg/kg

Table 1 - 1

Study No. : SR24018

Clinical signs		Period : Administration Day 1-14																
Sex : Male		Species : Rat																
Test article		Day	1		2		3		4		5		6		7		8	
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1000 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

Test article		Day	9		10		11		12		13		14	
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12
1000 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12

1 : Before dosing, 2 : After dosing

Table 1 - 2

Study No. : SR24018

Clinical signs Sex : Male		Period : Administration Day 15-29																Species : Rat					
Test article		Day	15	16		17		18		19		20		21		22							
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	2				
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12				
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12				
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12				
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12				
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12				
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12				
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12				
1000 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12				
Test article		Day	23	24		25		26		27		28		29									
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	3								
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	7								
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	7								
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12								
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12								
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12								
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12								
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	7								
1000 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	7								
1 : Before dosing, 2 : After dosing, 3 : Necropsy day																							

1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Table 1 - 3

Study No. : SR24018

Clinical signs Sex : Female		Period : Administration Day 1-17																Species : Rat			
Test article		Day	1	2	3	4	5	6	7	8											
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
1000 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
Test article		Day	9	10	11	12	13	14	15	16											
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	10	10	6	6				
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	10	10	6	6				
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	9	9	5	5				
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	9	9	5	5				
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	6	6	4	4				
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	6	6	4	4				
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	5	5	4	4				
1000 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	5	5	4	4				
Test article		Day	17																		
Dose	Clinical signs	Time	1	2																	
TPGME	n		6	6																	
0 mg/kg	No abnormality		6	6																	
TPGME	n		5	5																	
100 mg/kg	No abnormality		5	5																	
TPGME	n		4	4																	
300 mg/kg	No abnormality		4	4																	
TPGME	n		2	2																	
1000 mg/kg	No abnormality		2	2																	

1 : Before dosing, 2 : After dosing

Table 1 - 4

Study No. : SR24018

Clinical signs Sex : Female		Period : Gestation Day 0-22																
		Species : Rat																
Test article		Day	0		1		2		3		4		5		6		7	
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1000 mg/kg	No abnormality		11	11	11	11	11	10	11	11	11	11	11	11	11	11	11	11
	Staggering gait		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0

Test article		Day	8		9		10		11		12		13		14		15	
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1000 mg/kg	No abnormality		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
	Staggering gait		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Test article		Day	16		17		18		19		20		21		22	
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	2	2
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	2	2
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	6	6
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	6	6
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	1	1
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	1	1
TPGME	n		11	11	11	11	11	11	11	11	11	11	11	11	2	2
1000 mg/kg	No abnormality		11	11	11	11	11	11	11	11	11	11	11	11	2	2
	Staggering gait		0	0	0	0	0	0	0	0	0	0	0	0	0	0

1 : Before dosing, 2 : After dosing

1 : Before dosing, 2 : After dosing

Table 1 - 5

Study No. : SR24018

Clinical signs Sex : Female		Period : Lactation Day 0-14														Species : Rat			
Test article		Day	0		1		2		3		4		5		6		7		
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
TPGME	n		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1000 mg/kg	No abnormality		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Test article		Day	8		9		10		11		12		13		14				
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	3				
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12				
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12				
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12				
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12				
TPGME	n		12	12	12	12	12	12	12	12	12	12	12	12	12				
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	12				
TPGME	n		11	11	11	11	11	11	11	11	11	11	11	11	11				
1000 mg/kg	No abnormality		11	11	11	11	11	11	11	11	11	11	11	11	11				
1 : Before dosing, 2 : After dosing, 3 : Necropsy day																			

1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Table 1 - 6

Study No. : SR24018

Clinical signs Sex : Female (satellite)		Period : Administration Day 1-29																Species : Rat			
Test article		Day	1		2		3		4		5		6		7		8				
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
TPGME	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
0 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
TPGME	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
1000 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	9	10	10	10	9	10	10	10	
	Decrease in locomotor activity		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
	Staggering gait		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
Test article		Day	9		10		11		12		13		14		15		16				
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
TPGME	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
0 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
TPGME	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
1000 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	Decrease in locomotor activity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Staggering gait		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Test article		Day	17		18		19		20		21		22		23		24				
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
TPGME	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
0 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
TPGME	n		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
1000 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	
	Decrease in locomotor activity		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Staggering gait		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
Test article		Day	25		26		27		28		29										
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	3										
TPGME	n		10	10	10	10	10	10	10	10	5										
0 mg/kg	No abnormality		10	10	10	10	10	10	10	10	5										
TPGME	n		10	10	10	10	10	10	10	10	5										
1000 mg/kg	No abnormality		10	10	10	9	10	10	10	10	5										
	Decrease in locomotor activity		0	0	0	0	0	0	0	0	0										
	Staggering gait		0	0	0	1	0	0	0	0	0										

1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Table 1 - 7

Study No. : SR24018

Clinical signs Sex : Male		Period : Recovery Day 1-15																Species : Rat			
Test article		Clinical signs	Day	1		2		3		4		5		6		7		8			
Dose			Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		
TPGME	n			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
0 mg/kg	No abnormality			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
TPGME	n			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
1000 mg/kg	No abnormality			5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Test article		Clinical signs	Day	9		10		11		12		13		14		15					
Dose			Time	1	2	1	2	1	2	1	2	1	2	1	2	3					
TPGME	n			5	5	5	5	5	5	5	5	5	5	5	5	5	5				
0 mg/kg	No abnormality			5	5	5	5	5	5	5	5	5	5	5	5	5	5				
TPGME	n			5	5	5	5	5	5	5	5	5	5	5	5	5	5				
1000 mg/kg	No abnormality			5	5	5	5	5	5	5	5	5	5	5	5	5	5				
1 : AM, 2 : PM, 3 : Necropsy day																					

1 : AM, 2 : PM, 3 : Necropsy day

Table 1 - 8

Study No. : SR24018

Clinical signs Sex : Female (satellite)		Period : Recovery Day 1-15																Species : Rat			
Test article		Day	1		2		3		4		5		6		7		8				
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
TPGME	n		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
0 mg/kg	No abnormality		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
TPGME	n		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
1000 mg/kg	No abnormality		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
Test article		Day	9		10		11		12		13		14		15						
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	3				
TPGME	n		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
0 mg/kg	No abnormality		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
TPGME	n		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
1000 mg/kg	No abnormality		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
1 : AM, 2 : PM, 3 : Necropsy day																					

1 : AM, 2 : PM, 3 : Necropsy day

Table 2 - 1

Study No. : SR24018

Detailed clinical observation (in the cage)

Sex : Male

Species : Rat

Stage	Group		Body position/ Posture 1	Respiratory pattern 1	Tremor/ Convulsion 1	Stereotype		Bizarre behavior
						Rolling 0	Repetitive circling 0	Self biting 1
Pre	0 mg/kg	n	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12
Day 21	0 mg/kg	n	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12
Day 28	0 mg/kg	n	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Not significantly different from TPGME 0 mg/kg

Table 2 - 2

Study No. : SR24018

Detailed clinical observation (in the cage)

Sex : Female

Species : Rat

Stage	Group		Body position/ Posture 1	Respiratory pattern 1	Tremor/ Convulsion 1	Stereotype		Bizarre behavior
						Rolling 0	Repetitive circling 0	Self biting 1
Pre	0 mg/kg	n	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12
Day 21	0 mg/kg	n	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12
Day 28	0 mg/kg	n	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Not significantly different from TPGME 0 mg/kg

Table 2 - 3

Study No. : SR24018

			Detailed clinical observation (in the cage)					Study No. : CR210
			Sex : Female					Species : Rat
Stage	Group		Body position/ Posture 1	Respiratory pattern 1	Tremor/ Convulsion 1	Stereotype		Bizarre behavior
						Rolling 0	Repetitive circling 0	Self biting 1
Day 35	0 mg/kg	n	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12
Day 42	0 mg/kg	n	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12
	1000 mg/kg	n	11	11	11	11	11	11
Day 49	0 mg/kg	n	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12
	1000 mg/kg	n	11	11	11	11	11	11

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Not significantly different from TPGME 0 mg/kg

Table 2 - 4

Study No. : SR24018

		Detailed clinical observation (in the cage)					Study No. : CR219	
		Sex : Female (satellite)					Species : Rat	
Stage	Group		Body position/ Posture 1	Respiratory pattern 1	Tremor/ Convulsion 1	Stereotype		Bizarre behavior
						Rolling 0	Repetitive circling 0	Self biting 1
Pre	0 mg/kg	n	10	10	10	10	10	10
	1000 mg/kg	n	10	10	10	10	10	10
Day 7	0 mg/kg	n	10	10	10	10	10	10
	1000 mg/kg	n	10	10	10	10	10	10
Day 14	0 mg/kg	n	10	10	10	10	10	10
	1000 mg/kg	n	10	10	10	10	10	10
Day 21	0 mg/kg	n	10	10	10	10	10	10
	1000 mg/kg	n	10	10	10	10	10	10
Day 28	0 mg/kg	n	10	10	10	10	10	10
	1000 mg/kg	n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Not significantly different from TPGME 0 mg/kg

Table 2 - 5

Study No. : SR24018

			Detailed clinical observation (in the cage)					Species : Rat	
			Sex : Male						
Stage	Group		Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Stereotype		Bizarre behavior	
			1	1	1	Rolling 0	Repetitive circling 0	Self biting 1	
Recovery day 7	0 mg/kg	n	5	5	5	5	5	5	
	1000 mg/kg	n	5	5	5	5	5	5	
Recovery day 14	0 mg/kg	n	5	5	5	5	5	5	
	1000 mg/kg	n	5	5	5	5	5	5	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.
 Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.
 Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.
 Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.
 Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.
 Bizarre behavior/Self biting) 1;Not present, 2;Present.
 Not significantly different from TPGME 0 mg/kg

Table 2 - 6

Study No. : SR24018

			Detailed clinical observation (in the cage)					Species : Rat	
			Sex : Female (satellite)						
Stage	Group		Body position/ Posture 1	Respiratory pattern 1	Tremor/ Convulsion 1	Stereotype		Bizarre behavior	
						Rolling 0	Repetitive circling 0	Self biting 1	
Recovery day 7	0 mg/kg	n	5	5	5	5	5	5	
	1000 mg/kg	n	5	5	5	5	5	5	
Recovery day 14	0 mg/kg	n	5	5	5	5	5	5	
	1000 mg/kg	n	5	5	5	5	5	5	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Not significantly different from TPGME 0 mg/kg

Table 3 - 1

Study No. : SR24018

Detailed clinical observation (on the hand)

Sex : Male

Species : Rat

Stage	Group		Ease of		Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions/ 0
			Removal 1	Handling 1										
Pre	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
Day 21	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
Day 28	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Not significantly different from TPGME 0 mg/kg

Table 3 - 2

Study No. : SR24018

Detailed clinical observation (on the hand)

Sex : Female

Species : Rat

Stage	Group		Ease of		Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions/ 0
			Removal 1	Handling 1										
Pre	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
Day 21	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
Day 28	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Not significantly different from TPGME 0 mg/kg

Table 3 - 3

Study No. : SR24018

			Detailed clinical observation (on the hand)											Study No. : CR2101
			Sex : Female											Species : Rat
Stage	Group		Ease of		Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions 0
			Removal 1	Handling 1										
Day 35	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
Day 42	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	1000 mg/kg	n	11	11	11	11	11	11	11	11	11	11	11	11
Day 49	0 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	12	12	12	12	12
	1000 mg/kg	n	11	11	11	11	11	11	11	11	11	11	11	11

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Not significantly different from TPGME 0 mg/kg

Table 3 - 4

Study No. : SR24018

Detailed clinical observation (on the hand)														Study No. : FCR1101
Sex : Female (satellite)														Species : Rat
Stage	Group		Ease of		Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions 0
			Removal 1	Handling 1										
Pre	0 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10	10
	1000 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10	10
Day 7	0 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10	10
	1000 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10	10
Day 14	0 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10	10
	1000 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10	10
Day 21	0 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10	10
	1000 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10	10
Day 28	0 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10	10
	1000 mg/kg	n	10	10	10	10	10	10	10	10	10	10	10	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Not significantly different from TPGME 0 mg/kg

Table 3 - 5

Study No. : SR24018

Detailed clinical observation (on the hand)														
Sex : Male														
Species : Rat														
Stage	Group		Ease of		Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions 0
			Removal 1	Handling 1										
Recovery day 7	0 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5	5
	1000 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5	5
Recovery day 14	0 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5	5
	1000 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5	5
Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.														
Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.														
Muscle tone) 1;Low, 2;Normal, 3;High.														
Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.														
Fur) 1;Normal, 2;Slightly stained, 3;Stained.														
Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.														
Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.														
Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.														
Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.														
Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.														
Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.														
Secretions/Excretions) 0;Not present, 1;Present.														
Not significantly different from TPGME 0 mg/kg														

Table 3 - 6

Study No. : SR24018

Detailed clinical observation (on the hand)														Species : Rat
Sex : Female (satellite)														
Stage	Group		Ease of		Muscle	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
			Removal	Handling	tone									
			1	1	2	1	1	1	0	1	1	1	1	0
Recovery day 7	0 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5	5
	1000 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5	5
Recovery day 14	0 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5	5
	1000 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5	5
Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.														
Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.														
Muscle tone) 1;Low, 2;Normal, 3;High.														
Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.														
Fur) 1;Normal, 2;Slightly stained, 3;Stained.														
Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.														
Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.														
Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.														
Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.														
Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.														
Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.														
Secretions/Excretions) 0;Not present, 1;Present.														
Not significantly different from TPGME 0 mg/kg														

Table 4 - 1

Study No. : SR24018

Detailed clinical observation (in the open field)

Sex : Male

Species : Rat

Stage	Group		Gait 1	Co-ordination of movement 1	Reactivity to stimuli 1	Searching 1	Urination		Defecation		Stereotype		Bizarre behavior		Aggression 1
							0	1	0	1	Excessive grooming 0	Unusual head movement 0	Walking backward 1	Vocaliza- tion 1	
Pre	0 mg/kg	n	12	12	12	12	8	4	6	6	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	4	8	2	10	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	6	6	4	8	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	8	4	7	5	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	12	0	10	2	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	10	2	10	2	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	10	2	10	2	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	8	4	12	0	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	12	0	10	2	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	11	1	11	1	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	11	1	11	1	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	0	11	1	12	12	12	12	12
Day 21	0 mg/kg	n	12	12	12	12	11	1	11	1	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	11	1	10	2	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	11	1	11	1	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	11	1	11	1	12	12	12	12	12
Day 28	0 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	9	3	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Not significantly different from TPGME 0 mg/kg

Table 4 - 2

Study No. : SR24018

Detailed clinical observation (in the open field)

Sex : Female

Species : Rat

Stage	Group		Gait 1	Co-ordination of movement 1	Reactivity to stimuli 1	Searching 1	Urination		Defecation		Stereotype		Bizarre behavior		Aggression 1
							0	1	0	1	Excessive grooming 0	Unusual head movement 0	Walking backward 1	Vocaliza- tion 1	
Pre	0 mg/kg	n	12	12	12	12	12	0	11	1	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	9	3	10	2	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	10	2	10	2	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	9	3	11	1	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	9	3	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	7	5	11	1	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	3	9	ST\$	12	0	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	9	3	12	0	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	9	3	12	0	12	12	12	12	12
Day 21	0 mg/kg	n	12	12	12	12	10	2	11	1	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	9	3	12	0	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	8	4	12	0	12	12	12	12	12
Day 28	0 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	10	2	12	0	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	6	6	12	0	12	12	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Significantly different from TPGME 0 mg/kg: \$ P<0.05

ST : Steel test (two-side)

Table 4 - 3

Study No. : SR24018

Detailed clinical observation (in the open field)

Sex : Female

Species : Rat

Species : Rat															
Sex : Female															
Stage	Group		Gait 1	Co-ordination of movement 1	Reactivity to stimuli 1	Searching 1	Urination		Defecation		Stereotype		Bizarre behavior		Aggression 1
							0	1	0	1	Excessive grooming 0	Unusual head movement 0	Walking backward 1	Vocaliza- tion 1	
Day 35	0 mg/kg	n	12	12	12	12	11	1	11	1	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	9	3	12	0	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	5	7	ST\$	10	2	12	12	12	12
Day 42	0 mg/kg	n	12	12	12	12	11	1	11	1	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	0	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	10	2	12	0	12	12	12	12	12
	1000 mg/kg	n	11	11	11	11	5	6	ST\$	11	0	11	11	11	11
Day 49	0 mg/kg	n	12	12	12	12	11	1	11	1	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	9	3	11	1	12	12	12	12	12
	1000 mg/kg	n	11	11	11	11	6	5	11	0	11	11	11	11	11

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Significantly different from TPGME 0 mg/kg: \$ P<0.05

ST : Steel test (two-side)

Table 4 - 4

Study No. : SR24018

Detailed clinical observation (in the open field)

Sex : Female (satellite)

Species : Rat

Stage	Group		Gait 1	Co-ordination of movement		Reactivity to stimuli 1	Searching 1	Urination		Defecation		Stereotype		Bizarre behavior		Aggression 1
				0	1			0	1	0	1	Excessive grooming 0	Unusual head movement 0	Walking backward 1	Vocaliza- tion 1	
Pre	0 mg/kg	n	10	0	10	10	10	9	1	10	0	10	10	10	10	10
	1000 mg/kg	n	10	0	10	10	10	8	2	9	1	10	10	10	10	10
Day 7	0 mg/kg	n	10	0	10	10	10	10	0	10	0	10	10	10	10	10
	1000 mg/kg	n	10	1	9	10	10	10	0	10	0	10	10	10	10	10
Day 14	0 mg/kg	n	10	0	10	10	10	8	2	10	0	10	10	10	10	10
	1000 mg/kg	n	10	0	10	10	10	6	4	10	0	10	10	10	10	10
Day 21	0 mg/kg	n	10	0	10	10	10	10	0	10	0	10	10	10	10	10
	1000 mg/kg	n	10	1	9	10	10	8	2	10	0	10	10	10	10	10
Day 28	0 mg/kg	n	10	0	10	10	10	9	1	10	0	10	10	10	10	10
	1000 mg/kg	n	10	0	10	10	10	8	2	10	0	10	10	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Not significantly different from TPGME 0 mg/kg

Table 4 - 5

Study No. : SR24018

Detailed clinical observation (in the open field)

Sex : Male

Species : Rat

Stage	Group		Gait 1	Co-ordination of movement 1	Reactivity to stimuli 1	Searching 1	Urination 0	Defecation 0	Stereotype		Bizarre behavior		Aggression 1
									Excessive grooming 0	Unusual head movement 0	Walking backward 1	Vocaliza- tion 1	
Recovery day 7	0 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5
	1000 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5
Recovery day 14	0 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5
	1000 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Not significantly different from TPGME 0 mg/kg

Table 4 - 6

Study No. : SR24018

Detailed clinical observation (in the open field)

Sex : Female (satellite)

Species : Rat

Stage	Group		Gait 1	Co-ordination of movement 1	Reactivity to stimuli 1	Searching 1	Urination 0	Defecation 0	Stereotype		Bizarre behavior		Aggression 1
									Excessive grooming 0	Unusual head movement 0	Walking backward 1	Vocaliza- tion 1	
Recovery day 7	0 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5
	1000 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5
Recovery day 14	0 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5
	1000 mg/kg	n	5	5	5	5	5	5	5	5	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Not significantly different from TPGME 0 mg/kg

Table 5 - 1

Study No. : SR24018

Functional observations (on the desk)		Stage : Week 4						Species : Rat
Sex : Male								
Group		Reactivity					Righting reflex	
		Visual 4	Touch 2	Auditory 1	Pain 2	Proprioceptive 1	1	
0 mg/kg	n	5	5	5	5	5	5	
100 mg/kg	n	5	5	5	5	5	5	
300 mg/kg	n	5	5	5	5	5	5	
1000 mg/kg	n	5	5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Not significantly different from TPGME 0 mg/kg

Table 5 - 2

Study No. : SR24018

		Functional observations (on the desk)					Stage : Lactation day 13
		Sex : Female					Species : Rat
Group		Reactivity					Righting reflex
		Visual 4	Touch 2	Auditory 1	Pain 2	Proprioceptive 1	1
0 mg/kg	n	5	5	5	5	5	5
100 mg/kg	n	5	5	5	5	5	5
300 mg/kg	n	5	5	5	5	5	5
1000 mg/kg	n	5	5	5	5	5	5

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Not significantly different from TPGME 0 mg/kg

Table 5 - 3

Study No. : SR24018

Functional observations (on the desk)		Stage : Week 4					Species : Rat
Sex : Female (satellite)							
Group		Reactivity					Righting reflex
		Visual 4	Touch 2	Auditory 1	Pain 2	Proprioceptive 1	1
0 mg/kg	n	5	5	5	5	5	5
1000 mg/kg	n	5	5	5	5	5	5

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Not significantly different from TPGME 0 mg/kg

Table 5 - 4

Study No. : SR24018

Functional observations (on the desk)		Stage : Recovery week 2						Species : Rat
Sex : Female (satellite)								
Group		Reactivity					Righting reflex	
		Visual 4	Touch 2	Auditory 1	Pain 2	Proprioceptive 1	1	
0 mg/kg	n	5	5	5	5	5	5	
1000 mg/kg	n	5	5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Not significantly different from TPGME 0 mg/kg

Table 6 - 1

Study No. : SR24018

Grip strength		Stage : Week 4		Species : Rat
Sex : Male		Forelimb	Hindlimb	
Test article		g	g	
Dose				
TPGME	n	5	5	
0 mg/kg	Mean	1095.88	367.82	
	S.D.	114.10	28.72	
TPGME	n	5	5	
100 mg/kg	Mean	1050.20	378.22	
	S.D.	107.32	28.60	
TPGME	n	5	5	
300 mg/kg	Mean	1032.06	390.18	
	S.D.	44.87	27.07	
TPGME	n	5	5	
1000 mg/kg	Mean	950.60	371.88	
	S.D.	103.32	28.06	
Not significantly different from TPGME 0 mg/kg				

Table 6 - 2

Study No. : SR24018

Grip strength Sex : Female		Stage : Lactation day 13		Species : Rat
		Forelimb	Hindlimb	
Test article		g	g	
Dose				
TPGME	n	5	5	
0 mg/kg	Mean	1192.72	408.52	
	S.D.	103.70	50.13	
TPGME	n	5	5	
100 mg/kg	Mean	1191.42	419.58	
	S.D.	132.85	33.29	
TPGME	n	5	5	
300 mg/kg	Mean	1206.68	425.14	
	S.D.	149.10	24.16	
TPGME	n	5	5	
1000 mg/kg	Mean	917.00	389.06	
	S.D.	38.52	20.18	
		DT **		

Significantly different from TPGME 0 mg/kg: ** P<0.01

DT : Dunnett test (two-side)

Table 6 - 3

Study No. : SR24018

Grip strength		Stage : Week 4		Species : Rat
Sex : Female (satellite)		Forelimb	Hindlimb	
Test article		g	g	
Dose				
TPGME	n	5	5	
0 mg/kg	Mean	916.78	342.60	
	S.D.	60.13	13.74	
TPGME	n	5	5	
1000 mg/kg	Mean	787.54	337.54	
	S.D.	98.15	26.61	
	T2 *			
Significantly different from TPGME 0 mg/kg: * P<0.05				
T2 : Student t-test (two-side)				

Table 6 - 4

Study No. : SR24018

Grip strength		Stage : Recovery week 2		Species : Rat
Sex : Female (satellite)		Forelimb	Hindlimb	
Test article		g	g	
Dose				
TPGME	n	5	5	
0 mg/kg	Mean	1273.88	495.32	
	S.D.	80.29	65.12	
TPGME	n	5	5	
1000 mg/kg	Mean	1285.88	519.60	
	S.D.	69.53	35.05	
Not significantly different from TPGME 0 mg/kg				

Table 7 - 1

Study No. : SR24018

Motor activity measurements		Stage : Week 4							Species : Rat
Sex : Male		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Test article	No.	No.	No.	No.	No.	No.	No.	No.	
Dose									
TPGME	n	5	5	5	5	5	5	5	
0 mg/kg	Mean	510.8	292.0	156.2	106.8	99.8	44.2	1209.8	
	S.D.	191.7	99.7	91.6	68.1	32.8	46.1	320.5	
TPGME	n	5	5	5	5	5	5	5	
100 mg/kg	Mean	392.4	221.6	153.2	76.4	34.4	20.8	898.8	
	S.D.	142.0	121.3	104.9	57.3	64.8	46.5	456.2	
TPGME	n	5	5	5	5	5	5	5	
300 mg/kg	Mean	362.4	218.4	140.6	85.2	52.6	16.2	875.4	
	S.D.	59.4	46.6	62.1	85.2	46.9	35.1	269.3	
TPGME	n	5	5	5	5	5	5	5	
1000 mg/kg	Mean	437.8	320.4	116.0	86.4	35.4	74.2	1070.2	
	S.D.	156.5	149.4	59.4	78.3	38.4	131.2	506.4	
Not significantly different from TPGME 0 mg/kg									

Table 7 - 2

Study No. : SR24018

Motor activity measurements		Stage : Lactation day 13							Species : Rat
Sex : Female		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Test article	No.	No.	No.	No.	No.	No.	No.	No.	
Dose									
TPGME	n	5	5	5	5	5	5	5	
0 mg/kg	Mean	475.6	326.2	130.4	116.2	79.4	68.0	1195.8	
	S.D.	151.4	132.1	124.0	135.2	26.8	70.7	536.1	
TPGME	n	5	5	5	5	5	5	5	
100 mg/kg	Mean	502.0	200.2	124.2	92.2	63.4	52.0	1034.0	
	S.D.	117.1	103.1	141.5	87.2	85.0	54.6	457.9	
TPGME	n	5	5	5	5	5	5	5	
300 mg/kg	Mean	478.8	178.8	95.8	107.6	145.4	37.8	1044.2	
	S.D.	126.3	143.2	60.9	50.3	263.9	51.6	630.5	
TPGME	n	5	5	5	5	5	5	5	
1000 mg/kg	Mean	459.0	119.6	68.6	60.2	131.8	80.2	919.4	
	S.D.	189.2	83.3	121.7	43.8	168.1	97.3	605.0	
			DT *						

Significantly different from TPGME 0 mg/kg: * P<0.05

DT : Dunnett test (two-side)

Table 7 - 3

Study No. : SR24018

Motor activity measurements		Stage : Week 4							Species : Rat
Sex : Female (satellite)		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Test article	No.	No.	No.	No.	No.	No.	No.	No.	
Dose									
TPGME	n	5	5	5	5	5	5	5	
0 mg/kg	Mean	469.6	284.0	163.6	96.0	213.8	115.4	1342.4	
	S.D.	92.7	65.3	113.2	120.7	213.3	158.8	651.0	
TPGME	n	5	5	5	5	5	5	5	
1000 mg/kg	Mean	558.4	332.4	234.2	256.6	319.2	230.0	1930.8	
	S.D.	321.6	170.0	156.1	150.8	195.6	145.1	967.4	
Not significantly different from TPGME 0 mg/kg									

Table 7 - 4

Study No. : SR24018

Motor activity measurements		Stage : Recovery week 2							Species : Rat
Sex : Female (satellite)		0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Test article	No.	No.	No.	No.	No.	No.	No.	No.	
Dose									
TPGME	n	5	5	5	5	5	5	5	
0 mg/kg	Mean	796.6	610.6	369.6	330.8	242.6	272.2	2622.4	
	S.D.	149.8	275.5	389.0	326.1	128.8	233.5	1306.5	
TPGME	n	5	5	5	5	5	5	5	
1000 mg/kg	Mean	950.0	646.2	446.8	384.0	341.4	288.8	3057.2	
	S.D.	399.7	286.0	226.9	256.4	177.1	178.5	1429.4	
Not significantly different from TPGME 0 mg/kg									

Table 8 - 1

Study No. : SR24018

Body weight Sex : Male		Period : Administration Day 1-28						Unit : g	Species : Rat
Test article	/Day	1	4	7	14	21	28	Body weight gain	
Dose									
TPGME	n	12	12	12	12	12	12	12	
0 mg/kg	Mean	423.1	436.1	450.3	479.8	497.4	519.4	96.3	
	S.D.	25.9	26.1	26.1	28.2	29.3	29.3	9.2	
TPGME	n	12	12	12	12	12	12	12	
100 mg/kg	Mean	423.8	436.4	452.7	481.6	502.2	524.8	100.9	
	S.D.	28.9	30.9	32.1	36.8	37.5	43.5	22.4	
TPGME	n	12	12	12	12	12	12	12	
300 mg/kg	Mean	420.8	437.1	456.0	485.5	505.9	528.0	107.3	
	S.D.	30.5	30.9	37.0	40.5	39.3	40.2	18.5	
TPGME	n	12	12	12	12	12	12	12	
1000 mg/kg	Mean	419.3	433.3	451.3	482.8	504.4	529.5	110.3	
	S.D.	27.5	28.8	29.9	34.7	36.8	39.2	15.5	
Not significantly different from TPGME 0 mg/kg									

Table 8 - 2

Study No. : SR24018

Body weight Sex : Female		Period : Administration Day 1-14				Unit : g	Species : Rat
Test article	/Day					Body weight	
Dose		1	4	7	14	gain	
TPGME	n	12	12	12	12	12	
0 mg/kg	Mean	277.5	280.8	287.0	295.7	18.2	
	S.D.	15.2	17.5	20.6	21.6	10.5	
TPGME	n	12	12	12	12	12	
100 mg/kg	Mean	279.8	285.4	291.6	305.1	25.3	
	S.D.	15.0	15.1	17.4	17.0	6.5	
TPGME	n	12	12	12	12	12	
300 mg/kg	Mean	274.3	280.4	282.0	290.6	16.3	
	S.D.	15.7	18.9	21.7	22.4	15.2	
TPGME	n	12	12	12	12	12	
1000 mg/kg	Mean	276.3	277.7	281.3	288.9	12.7	
	S.D.	14.7	15.8	17.0	13.2	8.2	
Not significantly different from TPGME 0 mg/kg							

Table 8 - 3

Study No. : SR24018

Body weight Sex : Female		Period : Gestation Day 0-20				Unit : g	Species : Rat
Test article	/Day	0	7	14	20	Body weight gain	
Dose							
TPGME	n	12	12	12	12	12	
0 mg/kg	Mean	304.5	350.9	392.8	481.2	176.7	
	S.D.	20.8	25.0	27.8	34.2	20.0	
TPGME	n	12	12	12	12	12	
100 mg/kg	Mean	312.2	357.5	403.3	489.8	177.6	
	S.D.	17.7	21.4	27.2	37.6	25.8	
TPGME	n	12	12	12	12	12	
300 mg/kg	Mean	298.3	346.0	391.3	485.8	187.5	
	S.D.	23.6	27.7	28.3	27.7	17.5	
TPGME	n	11	11	11	11	11	
1000 mg/kg	Mean	292.8	338.2	381.9	475.5	182.7	
	S.D.	14.3	18.4	18.7	22.1	14.7	
Not significantly different from TPGME 0 mg/kg							

Table 8 - 4

Study No. : SR24018

Body weight Sex : Female		Period : Lactation Day 0-13				Unit : g	Species : Rat
Test article	/Day	0	4	7	13	Body weight gain	
Dose							
TPGME	n	12	12	12	12	12	
0 mg/kg	Mean	365.9	391.3	389.5	397.6	31.7	
	S.D.	28.2	27.4	26.3	23.2	17.2	
TPGME	n	12	12	12	12	12	
100 mg/kg	Mean	369.8	401.2	407.2	410.6	40.8	
	S.D.	30.2	21.4	18.6	17.9	22.7	
TPGME	n	12	12	12	12	12	
300 mg/kg	Mean	370.1	402.2	405.3	401.7	31.6	
	S.D.	28.1	18.9	23.2	32.8	18.7	
TPGME	n	11	11	11	11	11	
1000 mg/kg	Mean	355.7	391.2	395.9	405.0	49.3	
	S.D.	20.9	18.2	17.3	16.7	14.5	
Not significantly different from TPGME 0 mg/kg							

Table 8 - 5

Study No. : SR24018

Body weight		Period : Administration Day 1-28							Unit : g	Species : Rat
Sex : Female (satellite)										
Test article	/Day							Body weight		
Dose		1	4	7	14	21	28	gain		
TPGME	n	10	10	10	10	10	10	10		
0 mg/kg	Mean	275.9	280.1	285.2	293.7	307.4	311.9	36.0		
	S.D.	16.6	16.3	14.9	24.0	24.9	23.3	9.4		
TPGME	n	10	10	10	10	10	10	10		
1000 mg/kg	Mean	271.7	275.1	283.8	291.6	297.8	305.0	33.3		
	S.D.	14.3	11.7	12.1	13.9	17.2	14.8	9.1		
Not significantly different from TPGME 0 mg/kg										

Table 8 - 6

Study No. : SR24018

Body weight		Period : Recovery Day 1-14				Unit : g	Species : Rat
Sex : Male							
Test article		/Day			Body weight		
Dose		1	7	14	gain		
TPGME 0 mg/kg	n	5	5	5	5		
	Mean	519.6	543.0	560.2	40.6		
	S.D.	28.6	31.8	35.5	7.3		
TPGME 1000 mg/kg	n	5	5	5	5		
	Mean	527.0	547.4	571.6	44.6		
	S.D.	27.7	33.0	34.0	6.7		
Not significantly different from TPGME 0 mg/kg							

Table 8 - 7

Study No. : SR24018

Body weight		Period : Recovery Day 1-14				Unit : g	Species : Rat
Sex : Female (satellite)							
Test article		/Day			Body weight		
Dose		1	7	14	gain		
TPGME	n	5	5	5	5		
0 mg/kg	Mean	312.6	319.6	332.4	19.8		
	S.D.	25.4	24.8	28.5	13.8		
TPGME	n	5	5	5	5		
1000 mg/kg	Mean	306.2	325.6	343.0	36.8		
	S.D.	23.1	23.3	28.1	12.2		
Not significantly different from TPGME 0 mg/kg							

Table 9 - 1

Study No. : SR24018

Food consumption		Period : Administration Day 1-28				Unit : g	Species : Rat
Sex : Male							
Test article	/Day						
Dose		4	7	14	28		
TPGME 0 mg/kg	n	12	12	12	12		
	Mean	29.45	28.88	29.52	29.82		
	S.D.	2.63	2.31	2.03	1.78		
TPGME 100 mg/kg	n	12	12	12	12		
	Mean	29.88	29.76	29.58	30.60		
	S.D.	2.49	2.61	2.70	2.88		
TPGME 300 mg/kg	n	12	12	12	12		
	Mean	29.90	30.19	30.23	30.95		
	S.D.	2.44	2.87	2.44	2.66		
TPGME 1000 mg/kg	n	12	12	12	12		
	Mean	27.07	28.53	29.18	30.40		
	S.D.	2.63	2.02	1.94	2.38		
Not significantly different from TPGME 0 mg/kg							

Table 9 - 2

Study No. : SR24018

Food consumption		Period : Administration Day 1-14			Unit : g	Species : Rat
Sex : Female						
Test article	/Day					
Dose		4	7	14		
TPGME	n	12	12	12		
0 mg/kg	Mean	20.78	21.66	21.88		
	S.D.	2.03	2.16	1.48		
TPGME	n	12	12	12		
100 mg/kg	Mean	21.20	21.84	22.73		
	S.D.	1.63	2.23	2.28		
TPGME	n	12	12	12		
300 mg/kg	Mean	20.21	20.18	21.32		
	S.D.	1.96	1.43	2.04		
TPGME	n	12	12	12		
1000 mg/kg	Mean	18.29	19.23	19.90		
	S.D.	1.13	1.29	1.10		
		DT **	DT **	DT *		
Significantly different from TPGME 0 mg/kg: * P<0.05, ** P<0.01						
DT : Dunnett test (two-side)						

Table 9 - 3

Study No. : SR24018

Food consumption		Period : Gestation Day 0-20			Unit : g	Species : Rat
Sex : Female						
Test article		/Day				
Dose		7	14	20		
TPGME 0 mg/kg	n	12	12	12		
	Mean	27.98	30.53	29.43		
	S.D.	2.45	3.30	2.78		
TPGME 100 mg/kg	n	12	12	12		
	Mean	28.22	31.30	29.78		
	S.D.	2.52	3.06	1.93		
TPGME 300 mg/kg	n	12	12	12		
	Mean	27.78	30.13	29.85		
	S.D.	2.76	3.04	2.13		
TPGME 1000 mg/kg	n	11	11	11		
	Mean	26.09	28.43	28.81		
	S.D.	2.60	2.33	2.19		
Not significantly different from TPGME 0 mg/kg						

Table 9 - 4

Study No. : SR24018

Food consumption		Period : Lactation Day 0-13			Unit : g	Species : Rat
Sex : Female						
Test article		/Day				
Dose		4	7	13		
TPGME 0 mg/kg	n	12	12	12		
	Mean	36.28	46.83	57.24		
	S.D.	3.76	4.47	4.12		
TPGME 100 mg/kg	n	12	12	12		
	Mean	37.17	47.83	58.63		
	S.D.	3.97	4.29	3.12		
TPGME 300 mg/kg	n	12	12	12		
	Mean	39.37	47.36	57.90		
	S.D.	4.07	3.57	3.59		
TPGME 1000 mg/kg	n	11	11	11		
	Mean	38.84	48.02	58.20		
	S.D.	1.98	3.27	3.71		
Not significantly different from TPGME 0 mg/kg						

Table 9 - 5

Study No. : SR24018

Food consumption		Period : Administration Day 1-28					Unit : g	Species : Rat
Sex : Female (satellite)								
Test article		/Day						
Dose		4	7	14	21	28		
TPGME	n	10	10	10	10	10		
0 mg/kg	Mean	20.90	21.11	21.25	21.68	21.26		
	S.D.	2.33	2.33	2.78	2.34	2.24		
TPGME	n	10	10	10	10	10		
1000 mg/kg	Mean	19.61	20.40	20.97	20.37	21.66		
	S.D.	1.19	2.19	1.67	1.32	1.66		
Not significantly different from TPGME 0 mg/kg								

Table 9 - 6

Study No. : SR24018

Food consumption		Period : Recovery Day 1-14		Unit : g	Species : Rat
Sex : Male					
Test article		/Day			
Dose		7	14		
TPGME	n	5	5		
0 mg/kg	Mean	29.74	28.98		
	S.D.	2.06	1.77		
TPGME	n	5	5		
1000 mg/kg	Mean	30.54	31.78		
	S.D.	1.44	1.18		
			T2 *		
Significantly different from TPGME 0 mg/kg: * P<0.05					
T2 : Student t-test (two-side)					

Table 9 - 7

Study No. : SR24018

Food consumption		Period : Recovery Day 1-14		Unit : g	Species : Rat
Sex : Female (satellite)					
Test article	/Day				
Dose		7	14		
TPGME	n	5	5		
0 mg/kg	Mean	21.94	22.38		
	S.D.	1.93	2.04		
TPGME	n	5	5		
1000 mg/kg	Mean	25.70	23.94		
	S.D.	5.70	2.19		
Not significantly different from TPGME 0 mg/kg					

Table 10 - 1

Study No. : SR24018

Urinary findings		Stage : Week 4							Species : Rat	
Sex : Male		pH								
Test article										
Dose		5.0	6.0	6.5	7.0	7.5	8.0	8.5		
TPGME	n	0	0	0	0	0	0	5		
0 mg/kg										
TPGME	n	0	0	0	0	0	0	5		
100 mg/kg										
TPGME	n	0	0	0	0	0	1	4		
300 mg/kg										
TPGME	n	0	0	0	0	0	0	5		
1000 mg/kg										
		Protein							Glucose	
Test article										
Dose		-	±	+	2+	3+	4+		-	+
TPGME	n	0	0	5	0	0	0	5	0	0
0 mg/kg										
TPGME	n	0	2	2	1	0	0	5	0	0
100 mg/kg										
TPGME	n	0	0	5	0	0	0	5	0	0
300 mg/kg										
TPGME	n	0	1	2	2	0	0	5	0	0
1000 mg/kg										
Not significantly different from TPGME 0 mg/kg										

Table 10 - 2

Study No. : SR24018

Urinary findings		Stage : Week 4										Species : Rat			
Sex : Male		Ketone body					Urobilinogen								
Test article							EU/dL								
Dose		-	±	+	2+	3+	0.1	1	2	4	8				
TPGME 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0	0	0		
TPGME 100 mg/kg	n	5	0	0	0	0	5	0	0	0	0	0	0		
TPGME 300 mg/kg	n	5	0	0	0	0	5	0	0	0	0	0	0		
TPGME 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0	0	0		

Table 10 - 3

Study No. : SR24018

Urinary findings		Stage : Week 4				Species : Rat	
Sex : Male		Color					
Test article	Dose						
		A	B	C	D		
TPGME	n	5	0	0	0		
0 mg/kg							
TPGME	n	5	0	0	0		
100 mg/kg							
TPGME	n	5	0	0	0		
300 mg/kg							
TPGME	n	5	0	0	0		
1000 mg/kg							

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white
Not significantly different from TPGME 0 mg/kg

Table 10 - 4

Study No. : SR24018

Urinary findings		Stage : Week 4		Species : Rat
Sex : Male				
Urine volume				
Test article	mL/21hr			
Dose				
TPGME	n	5		
0 mg/kg	Mean	12.30		
	S.D.	2.49		
TPGME	n	5		
100 mg/kg	Mean	16.90		
	S.D.	3.27		
TPGME	n	5		
300 mg/kg	Mean	14.90		
	S.D.	5.09		
TPGME	n	5		
1000 mg/kg	Mean	12.20		
	S.D.	2.41		
Not significantly different from TPGME 0 mg/kg				

Table 10 - 5

Study No. : SR24018

Urinary findings		Stage : Week 4								Species : Rat			
Sex : Male		Specific gravity											
Test article													
Dose		0	1	2	3	4	5						
TPGME	n	0	0	0	0	2	3						
0 mg/kg													
TPGME	n	0	0	0	0	4	1						
100 mg/kg													
TPGME	n	0	0	0	1	1	3						
300 mg/kg													
TPGME	n	0	0	0	0	1	4						
1000 mg/kg													

Table 10 - 6

Study No. : SR24018

Urinary findings		Stage : Week 4										Species : Rat	
Sex : Male		Squamous					Urothelium						
Test article													
Dose		-	±	+	2+	3+	-	±	+	2+	3+		
TPGME 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0		
TPGME 100 mg/kg	n	5	0	0	0	0	5	0	0	0	0		
TPGME 300 mg/kg	n	5	0	0	0	0	5	0	0	0	0		
TPGME 1000 mg/kg	n	4	1	0	0	0	5	0	0	0	0		
		Tubular epithelium					Cast						
Test article													
Dose		-	±	+	2+	3+	-	±	+	2+	3+		
TPGME 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0		
TPGME 100 mg/kg	n	5	0	0	0	0	5	0	0	0	0		
TPGME 300 mg/kg	n	5	0	0	0	0	5	0	0	0	0		
TPGME 1000 mg/kg	n	4	1	0	0	0	5	0	0	0	0		
Not significantly different from TPGME 0 mg/kg													

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Table 10 - 8

Study No. : SR24018

Urinary findings		Stage : Week 4										Species : Rat	
Sex : Female (satellite)		Bilirubin					Occult blood						
Test article													
Dose		-	+	2+	3+		-	±	+	2+	3+		
TPGME	n	5	0	0	0		4	1	0	0	0		
0 mg/kg													
TPGME	n	5	0	0	0		5	0	0	0	0		
1000 mg/kg													
Color													
Test article													
Dose		A	B	C	D								
TPGME	n	5	0	0	0								
0 mg/kg													
TPGME	n	5	0	0	0								
1000 mg/kg													
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white													
Not significantly different from TPGME 0 mg/kg													

Table 10 - 9

Study No. : SR24018

Urinary findings		Stage : Week 4		Species : Rat
Sex : Female (satellite)				
Urine volume				
Test article	mL/21hr			
Dose				
TPGME	n	5		
0 mg/kg	Mean	12.60		
	S.D.	2.16		
TPGME	n	5		
1000 mg/kg	Mean	12.60		
	S.D.	3.27		
Not significantly different from TPGME 0 mg/kg				

Table 10 - 10

Study No. : SR24018

Urinary findings		Stage : Week 4										Species : Rat	
Sex : Female (satellite)		Specific gravity											
Test article													
Dose		0	1	2	3	4	5						
TPGME	n	0	0	0	2	2	1						
0 mg/kg													
TPGME	n	0	0	0	0	4	1						
1000 mg/kg													

Table 10 - 11

Study No. : SR24018

Urinary findings		Stage : Week 4										Species : Rat			
Sex : Female (satellite)		Tubular epithelium					Cast								
Test article	Dose	-	±	+	2+	3+	-	±	+	2+	3+				
TPGME	0 mg/kg	n	5	0	0	0	5	0	0	0	0	0	0	0	0
TPGME	1000 mg/kg	n	5	0	0	0	5	0	0	0	0	0	0	0	0
Not significantly different from TPGME 0 mg/kg															

Table 10 - 12

Study No. : SR24018

Urinary findings		Stage : Recovery Week 2								Species : Rat							
Sex : Male		pH															
Test article																	
Dose		5.0	6.0	6.5	7.0	7.5	8.0	8.5									
TPGME	n	0	0	0	0	0	0	5									
0 mg/kg																	
TPGME	n	0	0	0	0	0	0	5									
1000 mg/kg																	
		Protein								Glucose							
Test article																	
Dose		-	±	+	2+	3+	4+	-	+	2+	3+						
TPGME	n	0	2	2	1	0	0	5	0	0	0	0	0				
0 mg/kg																	
TPGME	n	0	0	5	0	0	0	5	0	0	0	0	0				
1000 mg/kg																	
		Ketone body						Urobilinogen									
Test article								EU/dL									
Dose		-	±	+	2+	3+	0.1	1	2	4	8						
TPGME	n	5	0	0	0	0	5	0	0	0	0	0	0				
0 mg/kg																	
TPGME	n	5	0	0	0	0	5	0	0	0	0	0	0				
1000 mg/kg																	
Not significantly different from TPGME 0 mg/kg																	

Table 10 - 13

Study No. : SR24018

Urinary findings		Stage : Recovery Week 2										Species : Rat	
Sex : Male		Bilirubin					Occult blood						
Test article													
Dose		-	+	2+	3+		-	±	+	2+	3+		
TPGME	n	5	0	0	0		5	0	0	0	0		
0 mg/kg													
TPGME	n	5	0	0	0		4	1	0	0	0		
1000 mg/kg													
Color													
Test article													
Dose		A	B	C	D								
TPGME	n	5	0	0	0								
0 mg/kg													
TPGME	n	5	0	0	0								
1000 mg/kg													
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white													
Not significantly different from TPGME 0 mg/kg													

Table 10 - 14

Study No. : SR24018

Urinary findings		Stage : Recovery Week 2		Species : Rat
Sex : Male				
Urine volume				
Test article	mL/21hr			
Dose				
TPGME	n	5		
0 mg/kg	Mean	11.40		
	S.D.	3.38		
TPGME	n	5		
1000 mg/kg	Mean	13.50		
	S.D.	5.41		
Not significantly different from TPGME 0 mg/kg				

Table 10 - 15

Study No. : SR24018

Urinary findings		Stage : Recovery Week 2										Species : Rat							
Sex : Male		Specific gravity																	
Test article																			
Dose		0	1	2	3	4	5												
TPGME	n	0	0	0	0	2	3												
0 mg/kg																			
TPGME	n	0	0	0	1	0	4												
1000 mg/kg																			
RBC																WBC			
Test article																			
Dose		-	±	+	2+	3+							-	±	+	2+	3+		
TPGME	n	5	0	0	0	0	5	0	0	0	0	5	0	0	0	0			
0 mg/kg																			
TPGME	n	5	0	0	0	0	5	0	0	0	0	5	0	0	0	0			
1000 mg/kg																			
Squamous												Urothelium							
Test article																			
Dose		-	±	+	2+	3+							-	±	+	2+	3+		
TPGME	n	5	0	0	0	0	5	0	0	0	0	5	0	0	0	0			
0 mg/kg																			
TPGME	n	5	0	0	0	0	5	0	0	0	0	5	0	0	0	0			
1000 mg/kg																			
Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<																			
Not significantly different from TPGME 0 mg/kg																			

Table 10 - 16

Study No. : SR24018

Urinary findings		Stage : Recovery Week 2										Species : Rat	
Sex : Male		Tubular epithelium					Cast						
Test article		-	±	+	2+	3+	-	±	+	2+	3+		
Dose	n	5	0	0	0	0	5	0	0	0	0	0	0
TPGME													
0 mg/kg													
TPGME	n	5	0	0	0	0	5	0	0	0	0	0	0
1000 mg/kg													
Not significantly different from TPGME 0 mg/kg													

Table 10 - 17

Study No. : SR24018

Urinary findings		Stage : Recovery Week 2								Species : Rat							
Sex : Female (satellite)		pH															
Test article																	
Dose		5.0	6.0	6.5	7.0	7.5	8.0	8.5									
TPGME	n	0	0	0	1	0	0	4									
0 mg/kg																	
TPGME	n	0	0	0	2	0	1	2									
1000 mg/kg																	
		Protein								Glucose							
Test article																	
Dose		-	±	+	2+	3+	4+	-	+	2+	3+						
TPGME	n	0	1	2	2	0	0	5	0	0	0	0	0				
0 mg/kg																	
TPGME	n	0	1	3	1	0	0	5	0	0	0	0	0				
1000 mg/kg																	
		Ketone body								Urobilinogen							
Test article																	
Dose		-	±	+	2+	3+	0.1	1	2	4	8						
TPGME	n	5	0	0	0	0	5	0	0	0	0	0	0				
0 mg/kg																	
TPGME	n	5	0	0	0	0	5	0	0	0	0	0	0				
1000 mg/kg																	
Not significantly different from TPGME 0 mg/kg																	

Table 10 - 18

Study No. : SR24018

Urinary findings		Stage : Recovery Week 2										Species : Rat	
Sex : Female (satellite)		Bilirubin					Occult blood						
Test article													
Dose		-	+	2+	3+		-	±	+	2+	3+		
TPGME	n	5	0	0	0		5	0	0	0	0		
0 mg/kg													
TPGME	n	5	0	0	0		5	0	0	0	0		
1000 mg/kg													
Color													
Test article													
Dose		A	B	C	D								
TPGME	n	5	0	0	0								
0 mg/kg													
TPGME	n	5	0	0	0								
1000 mg/kg													
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white													
Not significantly different from TPGME 0 mg/kg													

Table 10 - 19

Study No. : SR24018

Urinary findings		Stage : Recovery Week 2		Species : Rat
Sex : Female (satellite)				
Urine volume				
Test article	mL/21hr			
Dose				
TPGME	n	5		
0 mg/kg	Mean	13.40		
	S.D.	2.90		
TPGME	n	5		
1000 mg/kg	Mean	13.60		
	S.D.	4.16		
Not significantly different from TPGME 0 mg/kg				

Table 10 - 20

Study No. : SR24018

Urinary findings		Stage : Recovery Week 2										Species : Rat							
Sex : Female (satellite)		Specific gravity																	
Test article																			
Dose		0	1	2	3	4	5												
TPGME	n	0	0	0	2	3	0												
0 mg/kg																			
TPGME	n	0	0	0	1	3	1												
1000 mg/kg																			

Table 10 - 21

Study No. : SR24018

Urinary findings		Stage : Recovery Week 2										Species : Rat	
Sex : Female (satellite)		Tubular epithelium					Cast						
Test article	Dose	-	±	+	2+	3+	-	±	+	2+	3+		
TPGME	0 mg/kg	n	5	0	0	0	5	0	0	0	0		
TPGME	1000 mg/kg	n	5	0	0	0	5	0	0	0	0		
Not significantly different from TPGME 0 mg/kg													

Table 11 - 1

Study No. : SR24018

Hematological findings		Stage : Day 29							Species : Rat		
Sex : Male		WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil
Test article		10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL
Dose											
TPGME	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	86.70	880.4	15.58	45.44	51.64	17.70	34.30	99.78	2.712	14.76
	S.D.	22.96	44.9	0.58	2.24	1.32	0.56	0.64	10.97	0.437	3.79
TPGME	n	5	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	87.50	861.8	15.10	44.12	51.22	17.54	34.22	99.72	2.892	15.78
	S.D.	23.61	28.6	0.35	1.12	0.88	0.35	0.31	8.99	0.162	8.80
TPGME	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	91.40	881.2	15.40	45.16	51.28	17.50	34.08	109.64	2.800	16.34
	S.D.	15.77	24.9	0.14	0.59	1.18	0.53	0.39	5.30	0.326	6.21
TPGME	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	90.58	837.8	15.10	44.12	52.70	18.06	34.24	114.34	3.086	17.02
	S.D.	18.24	47.2	0.54	1.61	1.33	0.54	0.29	5.79	0.423	5.28
DT *											
		Lymphocyte	Monocyte	Eosinophil	Basophil	PT	APTT				
Test article		10 ² /μL	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec				
Dose											
TPGME	n	5	5	5	5	5	5				
0 mg/kg	Mean	66.96	3.70	1.08	0.20	12.68	19.18				
	S.D.	19.57	0.49	0.31	0.12	1.02	2.03				
TPGME	n	5	5	5	5	5	5				
100 mg/kg	Mean	67.04	3.46	1.02	0.20	12.36	18.48				
	S.D.	16.26	1.30	0.26	0.10	0.86	1.44				
TPGME	n	5	5	5	5	5	5				
300 mg/kg	Mean	70.14	3.76	0.98	0.18	12.36	19.78				
	S.D.	11.23	0.83	0.33	0.11	1.88	0.50				
TPGME	n	5	5	5	5	5	5				
1000 mg/kg	Mean	68.38	3.92	1.14	0.12	12.10	19.80				
	S.D.	13.74	0.73	0.40	0.04	1.33	2.28				

Significantly different from TPGME 0 mg/kg; * P<0.05

DT : Dunnett test (two-side)

Table 11 - 2

Study No. : SR24018

Hematological findings		Stage : Day 14 after parturition							Species : Rat		
Sex : Female		WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil
Test article		10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL
Dose											
TPGME	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	94.72	758.0	14.56	41.02	54.18	19.22	35.50	114.50	3.244	43.06
	S.D.	24.90	29.2	0.65	1.43	2.23	0.82	0.54	15.33	1.139	22.30
TPGME	n	5	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	107.52	756.8	14.64	41.08	54.36	19.36	35.62	113.66	2.922	48.88
	S.D.	41.34	45.8	0.54	1.53	2.42	0.97	0.27	6.41	0.741	28.61
TPGME	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	78.24	767.4	15.02	41.80	54.48	19.58	35.90	107.88	2.816	32.34
	S.D.	18.83	25.1	0.70	1.88	1.56	0.52	0.29	11.96	0.701	12.04
TPGME	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	100.30	765.4	14.82	41.40	54.10	19.36	35.80	108.20	3.358	38.32
	S.D.	24.83	24.0	0.48	1.23	1.82	0.75	0.38	7.12	0.794	10.65
		Lymphocyte	Monocyte	Eosinophil	Basophil	PT	APTT				
Test article		10 ² /μL	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec				
Dose											
TPGME	n	5	5	5	5	5	5				
0 mg/kg	Mean	48.18	2.76	0.62	0.10	9.18	15.58				
	S.D.	7.29	1.02	0.11	0.10	0.22	0.70				
TPGME	n	5	5	5	5	5	5				
100 mg/kg	Mean	53.70	3.94	0.84	0.16	9.30	14.64				
	S.D.	10.04	2.26	0.63	0.13	0.25	1.10				
TPGME	n	5	5	5	5	5	5				
300 mg/kg	Mean	41.84	3.30	0.66	0.10	9.32	14.78				
	S.D.	13.48	1.99	0.46	0.00	0.11	1.08				
TPGME	n	5	5	5	5	5	5				
1000 mg/kg	Mean	56.38	4.76	0.74	0.10	9.24	13.80				
	S.D.	13.97	1.53	0.30	0.07	0.15	0.78				

Significantly different from TPGME 0 mg/kg: * P<0.05

DT : Dunnett test (two-side)

Table 11 - 3

Study No. : SR24018

Hematological findings		Stage : Day 29							Species : Rat		
Sex : Female (satellite)		WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil
Test article		10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL
Dose											
TPGME 0 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	58.94	857.4	15.14	43.72	51.06	17.68	34.60	115.36	2.206	12.24
	S.D.	6.10	57.1	0.67	2.00	1.80	0.74	0.42	3.21	0.328	4.89
TPGME 1000 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	68.84	849.0	14.98	43.86	51.64	17.66	34.18	105.52	2.386	9.02
	S.D.	15.63	24.5	0.58	1.85	1.23	0.42	0.43	11.58	0.450	1.93
		Lymphocyte	Monocyte	Eosinophil	Basophil	PT	APTT				
Test article		10 ² /μL	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec				
Dose											
TPGME 0 mg/kg	n	5	5	5	5	5	5				
	Mean	43.38	2.14	1.04	0.14	9.58	13.56				
	S.D.	7.00	0.51	0.34	0.05	0.27	0.92				
TPGME 1000 mg/kg	n	5	5	5	5	5	5				
	Mean	56.68	2.08	0.96	0.10	9.52	14.34				
	S.D.	14.34	0.67	0.52	0.07	0.22	2.08				
Not significantly different from TPGME 0 mg/kg											

Table 11 - 4

Study No. : SR24018

Hematological findings		Stage : Recovery day 15							Species : Rat		
Sex : Male		WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil
Test article		10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL
Dose											
TPGME	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	82.94	847.2	15.10	43.14	51.00	17.86	35.00	105.58	2.554	15.48
	S.D.	13.81	64.4	0.89	2.63	2.22	1.02	0.64	3.04	0.430	6.35
TPGME	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	84.28	848.4	14.88	43.34	51.12	17.56	34.32	107.12	2.856	15.50
	S.D.	15.29	30.2	0.50	1.23	1.77	0.74	0.33	5.38	0.336	1.69
		Lymphocyte	Monocyte	Eosinophil	Basophil	PT	APTT				
Test article		10 ² /μL	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec				
Dose											
TPGME	n	5	5	5	5	5	5				
0 mg/kg	Mean	61.80	4.02	1.52	0.12	12.14	18.26				
	S.D.	13.10	1.10	0.27	0.04	1.37	1.20				
TPGME	n	5	5	5	5	5	5				
1000 mg/kg	Mean	62.52	4.96	1.18	0.12	13.02	19.94				
	S.D.	14.24	1.12	0.15	0.04	1.79	1.51				

Significantly different from TPGME 0 mg/kg: * P<0.05

T2 : Student t-test (two-side)

Table 11 - 5

Study No. : SR24018

Hematological findings		Stage : Recovery day 15							Species : Rat		
Sex : Female (satellite)		WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil
Test article		10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL
Dose											
TPGME 0 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	44.36	794.8	14.52	41.58	52.30	18.26	34.92	95.92	2.598	7.92
	S.D.	7.18	27.1	0.56	1.89	0.89	0.27	0.27	4.81	0.660	3.25
TPGME 1000 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	45.38	800.4	14.40	41.20	51.52	18.00	34.96	108.74	2.396	9.92
	S.D.	13.67	26.3	0.32	0.93	1.49	0.48	0.41	14.62	0.500	3.97
		Lymphocyte	Monocyte	Eosinophil	Basophil	PT	APTT				
Test article		10 ² /μL	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec				
Dose											
TPGME 0 mg/kg	n	5	5	5	5	5	5				
	Mean	33.42	2.28	0.72	0.02	9.40	13.28				
	S.D.	5.00	0.48	0.26	0.04	0.26	1.59				
TPGME 1000 mg/kg	n	5	5	5	5	5	5				
	Mean	32.78	1.82	0.78	0.08	9.66	14.38				
	S.D.	10.52	0.48	0.29	0.04	0.11	2.41				
Not significantly different from TPGME 0 mg/kg											

Table 12 - 1

Study No. : SR24018

Biochemical findings		Stage : Day 29								
Sex : Male		Species : Rat								
		AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TP
		IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	g/dL
Test article	Dose									
TPGME	n	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	68.2	35.0	112.8	0.48	0.064	8.64	156.2	59.6	5.48
	S.D.	7.5	4.1	17.9	0.13	0.011	4.14	11.3	14.6	0.23
TPGME	n	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	76.0	33.2	123.8	0.60	0.066	9.14	148.6	55.6	5.54
	S.D.	7.3	3.1	25.7	0.23	0.018	2.90	15.5	3.7	0.21
TPGME	n	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	67.0	28.8	125.2	0.48	0.056	12.94	153.4	68.2	5.80
	S.D.	10.1	4.5	30.6	0.08	0.011	11.24	7.1	7.5	0.24
TPGME	n	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	63.6	28.6	106.8	0.54	0.054	9.02	146.8	75.6	5.80
	S.D.	9.4	5.3	13.9	0.17	0.009	8.47	9.6	12.9	0.19
		UN	Crea	Na	K	Cl	Ca	IP	A/G	Albumin
		mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL
Test article	Dose									%
TPGME	n	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	13.84	0.292	144.4	4.400	104.0	9.18	6.42	0.892	2.576
	S.D.	0.93	0.028	0.9	0.219	0.7	0.32	0.29	0.086	0.153
TPGME	n	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	12.92	0.286	145.2	4.416	104.4	9.30	6.24	0.864	2.554
	S.D.	0.96	0.036	0.8	0.194	0.9	0.39	0.32	0.127	0.115
TPGME	n	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	14.52	0.280	144.4	4.658	104.0	9.48	6.22	0.884	2.718
	S.D.	1.94	0.036	1.1	0.189	1.2	0.46	0.37	0.038	0.079
TPGME	n	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	15.08	0.300	144.2	4.450	102.4	9.38	6.22	0.866	2.690
	S.D.	1.36	0.049	1.5	0.173	1.5	0.30	0.23	0.074	0.174

Not significantly different from TPGME 0 mg/kg

Table 12 - 2

Study No. : SR24018

Biochemical findings		Stage : Day 29				Species : Rat
Sex : Male		α 1-G	α 2-G	β -G	γ -G	
Test article		%	%	%	%	
Dose						
TPGME	n	5	5	5	5	
0 mg/kg	Mean	22.00	8.86	16.08	6.02	
	S.D.	3.70	0.55	0.79	1.40	
TPGME	n	5	5	5	5	
100 mg/kg	Mean	22.90	9.06	16.26	5.60	
	S.D.	2.26	0.47	0.82	1.31	
TPGME	n	5	5	5	5	
300 mg/kg	Mean	23.94	8.70	15.42	5.06	
	S.D.	1.54	0.29	0.95	1.37	
TPGME	n	5	5	5	5	
1000 mg/kg	Mean	23.10	8.92	16.50	5.14	
	S.D.	1.63	0.55	0.90	0.94	
Not significantly different from TPGME 0 mg/kg						

Table 12 - 3

Study No. : SR24018

Biochemical findings		Stage : Day 14 after parturition								Species : Rat	
Sex : Female		AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP
Test article		IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL
Dose											
TPGME	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	165.6	85.2	85.2	0.76	0.062	24.20	133.2	97.6	89.8	5.94
	S.D.	82.9	32.9	21.6	0.24	0.013	12.99	12.1	12.5	33.0	0.62
TPGME	n	5	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	115.0	62.4	86.6	0.60	0.052	22.28	141.6	97.2	90.6	5.96
	S.D.	20.5	9.2	20.1	0.07	0.004	12.29	15.5	23.7	36.3	0.21
TPGME	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	129.2	65.6	87.4	0.90	0.050	22.82	136.8	88.8	89.8	6.08
	S.D.	38.7	17.2	34.0	0.14	0.019	9.93	6.9	13.3	53.8	0.25
TPGME	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	90.0	53.4	73.0	0.80	0.034	32.02	127.8	103.0	82.0	6.04
	S.D.	17.4	9.2	11.2	0.34	0.005	20.66	4.8	19.6	30.1	0.21
ST *											
		UN	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin
Test article		mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%
Dose											
TPGME	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	25.64	0.408	139.4	4.260	99.0	9.60	7.80	0.876	2.770	46.70
	S.D.	4.93	0.056	1.5	0.271	2.1	0.25	1.08	0.042	0.272	1.23
TPGME	n	5	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	22.14	0.344	139.4	4.406	98.8	9.74	8.42	0.850	2.734	45.88
	S.D.	4.13	0.029	1.5	0.300	1.8	0.17	1.08	0.061	0.152	1.88
TPGME	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	24.92	0.382	139.6	4.292	98.2	9.72	7.16	0.892	2.864	47.10
	S.D.	4.76	0.039	2.3	0.430	2.9	0.36	1.35	0.063	0.165	1.77
TPGME	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	24.00	0.358	139.8	4.252	98.8	9.74	7.06	0.886	2.834	46.94
	S.D.	1.96	0.030	1.5	0.225	1.5	0.40	0.78	0.032	0.107	0.91

Significantly different from TPGME 0 mg/kg: * P<0.05

ST : Steel test (two-side)

Table 12 - 4

Study No. : SR24018

Biochemical findings		Stage : Day 14 after parturition				Species : Rat
Sex : Female		α 1-G	α 2-G	β -G	γ -G	
Test article		%	%	%	%	
Dose						
TPGME	n	5	5	5	5	
0 mg/kg	Mean	23.72	9.38	16.34	3.86	
	S.D.	1.83	1.65	1.09	0.57	
TPGME	n	5	5	5	5	
100 mg/kg	Mean	24.02	9.24	15.94	4.92	
	S.D.	2.95	1.06	0.59	1.14	
TPGME	n	5	5	5	5	
300 mg/kg	Mean	22.72	8.52	16.48	5.18	
	S.D.	1.56	0.54	0.79	1.20	
TPGME	n	5	5	5	5	
1000 mg/kg	Mean	22.58	8.36	16.82	5.30	
	S.D.	1.40	1.08	0.69	0.56	
Not significantly different from TPGME 0 mg/kg						

Table 12 - 5

Study No. : SR24018

Biochemical findings Sex : Female (satellite)		Stage : Day 29						Species : Rat		
		AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TP
		IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	g/dL
Test article	Dose									
TPGME	n	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	69.6	26.4	61.0	0.70	0.082	12.58	129.4	75.4	6.18
	S.D.	16.3	4.7	19.2	0.23	0.013	4.47	12.9	12.0	0.26
TPGME	n	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	65.8	24.0	50.0	1.04	0.050	5.74	121.4	74.6	6.22
	S.D.	6.8	3.7	13.2	0.34	0.010	1.49	13.2	10.7	0.31
					T2 **		T2 *			
		UN	Crea	Na	K	Cl	Ca	IP	A/G	Albumin
		mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		Albumin
										%
TPGME	n	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	16.56	0.344	142.8	4.488	103.2	9.64	6.48	1.026	50.64
	S.D.	2.06	0.038	0.4	0.353	0.8	0.22	0.29	0.057	1.32
TPGME	n	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	15.64	0.330	142.4	4.388	103.2	9.60	6.48	0.992	49.74
	S.D.	1.58	0.023	1.5	0.342	2.2	0.51	0.60	0.092	2.20
		α1-G	α2-G	β-G	γ-G					
		%	%	%	%					
TPGME	n	5	5	5	5					
0 mg/kg	Mean	21.28	6.86	14.74	6.48					
	S.D.	0.43	0.71	1.36	0.65					
TPGME	n	5	5	5	5					
1000 mg/kg	Mean	19.96	7.64	15.36	7.30					
	S.D.	3.00	0.69	1.05	0.81					

Significantly different from TPGME 0 mg/kg: * P<0.05, ** P<0.01

T2 : Student t-test (two-side)

Table 12 - 6

Study No. : SR24018

Biochemical findings		Stage : Recovery day 15									
Sex : Male		Species : Rat									
		AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP
Test article	Dose	IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL
TPGME 0 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	67.8	29.0	93.0	0.38	0.074	9.80	135.8	67.6	25.2	5.48
	S.D.	4.9	1.2	16.1	0.04	0.015	3.96	19.9	9.2	13.5	0.31
TPGME 1000 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	82.6	39.4	115.4	0.68	0.062	10.02	139.6	77.6	41.8	5.84
	S.D.	14.9	9.2	30.6	0.15	0.013	3.07	9.8	20.1	26.4	0.21
A2 **											
		UN	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin
Test article	Dose	mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%
TPGME 0 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	12.84	0.302	144.0	4.458	104.4	9.38	5.82	0.858	2.522	46.10
	S.D.	1.01	0.041	1.0	0.171	1.1	0.18	0.19	0.068	0.142	2.01
TPGME 1000 mg/kg	n	5	5	5	5	5	5	5	5	5	5
	Mean	14.12	0.304	143.4	4.532	102.8	9.54	6.12	0.744	2.486	42.54
	S.D.	2.02	0.029	0.5	0.152	1.1	0.47	0.08	0.082	0.209	2.66
								T2 *	T2 *	T2 *	
		α1-G	α2-G	β-G	γ-G						
Test article	Dose	%	%	%	%						
TPGME 0 mg/kg	n	5	5	5	5						
	Mean	24.82	8.20	15.60	5.28						
	S.D.	1.00	0.75	0.94	0.85						
TPGME 1000 mg/kg	n	5	5	5	5						
	Mean	28.10	8.00	15.80	5.56						
	S.D.	1.39	0.51	0.77	1.79						
T2 **											

Significantly different from TPGME 0 mg/kg: * P<0.05, ** P<0.01

A2 : Welch test (two-side), T2 : Student t-test (two-side)

Table 12 - 7

Study No. : SR24018

Biochemical findings		Stage : Recovery day 15						Species : Rat		
Sex : Female (satellite)		AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TP
Test article		IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	g/dL
Dose										
TPGME	n	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	188.0	71.8	44.2	0.86	0.092	25.52	126.4	79.4	6.32
	S.D.	205.4	56.1	7.6	0.11	0.019	23.39	10.8	16.3	0.40
TPGME	n	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	61.2	28.0	53.2	0.74	0.080	18.74	144.0	81.4	6.32
	S.D.	13.0	11.0	18.0	0.27	0.007	14.62	7.7	24.4	0.57
		T2 *								
		UN	Crea	Na	K	Cl	Ca	IP	A/G	Albumin
Test article		mg/dL	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL
Dose										%
TPGME	n	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	15.30	0.338	143.2	4.572	105.2	9.94	5.12	1.102	3.314
	S.D.	2.91	0.032	0.4	0.276	1.5	0.33	0.33	0.059	0.258
TPGME	n	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	14.84	0.320	142.6	4.552	104.2	9.76	4.74	1.062	3.262
	S.D.	0.88	0.012	0.5	0.207	1.1	0.57	0.36	0.123	0.464
		α 1-G	α 2-G	β -G	γ -G					
Test article		%	%	%	%					
Dose										
TPGME	n	5	5	5	5					
0 mg/kg	Mean	18.68	7.36	14.92	6.62					
	S.D.	1.61	0.59	0.68	1.29					
TPGME	n	5	5	5	5					
1000 mg/kg	Mean	19.92	7.36	14.72	6.58					
	S.D.	1.07	0.77	1.47	0.84					

Significantly different from TPGME 0 mg/kg: * P<0.05

T2 : Student t-test (two-side)

Table 13 - 1

Study No. : SR24018

Serum T4 concentration		Stage : Day 29		Species : Rat
Sex : Male				
T4				
Test article		ng/mL		
Dose				
TPGME	n	7		
0 mg/kg	Mean	49.33		
	S.D.	6.68		
TPGME	n	12		
100 mg/kg	Mean	52.33		
	S.D.	4.17		
TPGME	n	12		
300 mg/kg	Mean	47.51		
	S.D.	6.13		
TPGME	n	7		
1000 mg/kg	Mean	40.97		
	S.D.	5.42		
		DT *		

Significantly different from TPGME 0 mg/kg: * P<0.05

DT : Dunnett test (two-side)

Table 13 - 2

Study No. : SR24018

Serum T4 concentration Sex : Female		Stage : Day 14 after parturition	Species : Rat
T4			
Test article Dose	ng/mL		
TPGME 0 mg/kg	n	12	
	Mean	35.33	
	S.D.	6.81	
TPGME 100 mg/kg	n	12	
	Mean	37.08	
	S.D.	7.35	
TPGME 300 mg/kg	n	12	
	Mean	37.23	
	S.D.	6.15	
TPGME 1000 mg/kg	n	11	
	Mean	32.34	
	S.D.	3.40	
Not significantly different from TPGME 0 mg/kg			

Table 13 - 3

Study No. : SR24018

Serum T4 concentration		Stage : Day 29		Species : Rat	
Sex : Female (satellite)		T4			
Test article	ng/mL				
Dose					
TPGME	n	5			
0 mg/kg	Mean	28.98			
	S.D.	5.39			
TPGME	n	5			
1000 mg/kg	Mean	30.32			
	S.D.	3.94			
Not significantly different from TPGME 0 mg/kg					

Table 13 - 4

Study No. : SR24018

Serum T4 concentration		Stage : Recovery day 15		Species : Rat	
Sex : Male		T4			
Test article		ng/mL			
Dose					
TPGME	n	5			
0 mg/kg	Mean	45.52			
	S.D.	4.41			
TPGME	n	5			
1000 mg/kg	Mean	50.72			
	S.D.	6.61			
Not significantly different from TPGME 0 mg/kg					

Table 13 - 5

Study No. : SR24018

Serum T4 concentration		Stage : Recovery day 15		Species : Rat	
Sex : Female (satellite)		T4			
Test article	ng/mL				
Dose					
TPGME	n	5			
0 mg/kg	Mean	30.30			
	S.D.	4.90			
TPGME	n	5			
1000 mg/kg	Mean	32.28			
	S.D.	9.20			
Not significantly different from TPGME 0 mg/kg					

Table 14 - 1

Study No. : SR24018

Necropsy findings		Stage : Day 29				Species : Rat
Sex : Male						
Organ	Test article	TPGME	TPGME	TPGME	TPGME	
Findings	Dose	0	100	300	1000	
	Number of Animals	mg/kg	mg/kg	mg/kg	mg/kg	
		7	12	12	7	
Testis		<7/7>	<11/12>	<12/12>	<7/7>	
Small size	P	0	1	0	0	
Epididymis		<7/7>	<11/12>	<12/12>	<7/7>	
Small size	P	0	1	0	0	
Other organs & tissues		<7/7>	<12/12>	<12/12>	<7/7>	

<> : Not remarkable/Number of animals examined
P : Non-graded change

Table 14 - 2

Study No. : SR24018

Necropsy findings		Stage : Day 14 after parturition				Species : Rat
Sex : Female						
Organ Findings	Test article	TPGME	TPGME	TPGME	TPGME	
	Dose	0	100	300	1000	
		mg/kg	mg/kg	mg/kg	mg/kg	
	Number of Animals	12	12	12	11	
All organs & tissues		<12/12>	<12/12>	<12/12>	<11/11>	
<> : Not remarkable/Number of animals examined						

Table 14 - 3

Study No. : SR24018

Necropsy findings			Stage : Non-preganacy		Species : Rat	
Sex : Female						
Organ	Test article	TPGME				
	Dose	1000				
Findings	Number of Animals	mg/kg				
		1				
All organs & tissues		<1/1>				
<> : Not remarkable/Number of animals examined						

Table 14 - 4

Study No. : SR24018

Necropsy findings		Stage : Day 29		Species : Rat
Sex : Female (satellite)				
Organ Findings	Test article	TPGME	TPGME	
	Dose	0	1000	
		mg/kg	mg/kg	
	Number of Animals	5	5	
All organs & tissues		<5/5>	<5/5>	
<> : Not remarkable/Number of animals examined				

Table 14 - 5

Study No. : SR24018

Necropsy findings		Stage : Recovery day 15		Species : Rat
Sex : Male				
Organ Findings	Test article	TPGME	TPGME	
	Dose	0	1000	
		mg/kg	mg/kg	
	Number of Animals	5	5	
All organs & tissues		<5/5>	<5/5>	
<> : Not remarkable/Number of animals examined				

Table 14 - 6

Study No. : SR24018

Necropsy findings		Stage : Recovery day 15		Species : Rat
Sex : Female (satellite)				
Organ Findings	Test article	TPGME	TPGME	
	Dose	0	1000	
		mg/kg	mg/kg	
	Number of Animals	5	5	
All organs & tissues		<5/5>	<5/5>	
<> : Not remarkable/Number of animals examined				

Table 15 - 1

Study No. : SR24018

Organ weight		Stage : Day 29								Species : Rat	
Sex : Male		Body weight	Liver		Kidney		Heart		Spleen		
Test article	Dose		AB	RE	AB	RE	AB	RE	AB	RE	
		g	g	g/100g	g	g/100g	g	g/100g	mg	mg/100g	
TPGME	n	7	7	7	7	7	7	7	7	7	
0 mg/kg	Mean	487.9	12.607	2.581	3.163	0.647	1.527	0.314	786.9	161.907	
	S.D.	32.6	1.056	0.091	0.334	0.047	0.043	0.028	80.6	20.659	
TPGME	n	12	12	12	12	12	12	12	12	12	
100 mg/kg	Mean	490.1	13.231	2.689	3.495	0.711	1.543	0.316	760.9	154.932	
	S.D.	40.5	2.074	0.225	0.417	0.043	0.216	0.028	120.0	16.226	
				DT *							
TPGME	n	12	12	12	12	12	12	12	12	12	
300 mg/kg	Mean	493.8	14.083	2.848	3.447	0.698	1.608	0.325	776.0	156.803	
	S.D.	37.8	1.548	0.134	0.358	0.040	0.136	0.028	119.5	17.540	
				ST **							
TPGME	n	7	7	7	7	7	7	7	7	7	
1000 mg/kg	Mean	500.3	16.480	3.283	3.686	0.737	1.573	0.314	814.4	162.263	
	S.D.	41.4	2.719	0.348	0.377	0.061	0.157	0.027	147.6	19.850	
			DT **	ST **	DT *	DT **					
		Thymus		Adrenal		Pituitary gland		Thyroid		Testis	
Test article	Dose	AB	RE	AB	RE	AB	RE	AB	RE	AB	RE
		mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g	g	g/100g
TPGME	n	7	7	7	7	7	7	7	7	7	7
0 mg/kg	Mean	362.0	74.707	69.9	14.403	13.91	2.860	23.83	4.904	3.447	0.709
	S.D.	70.4	16.038	5.3	1.792	1.73	0.370	2.46	0.630	0.175	0.049
TPGME	n	12	12	12	12	12	12	12	12	12	12
100 mg/kg	Mean	375.9	76.559	78.8	16.226	13.47	2.759	25.38	5.213	3.290	0.674
	S.D.	70.9	11.990	9.9	2.695	1.48	0.325	3.43	0.831	0.519	0.120
TPGME	n	12	12	12	12	12	12	12	12	12	12
300 mg/kg	Mean	388.0	78.991	74.0	14.994	13.51	2.745	25.03	5.081	3.226	0.653
	S.D.	96.5	21.233	10.1	1.818	2.22	0.460	2.86	0.561	0.410	0.067
TPGME	n	7	7	7	7	7	7	7	7	7	7
1000 mg/kg	Mean	404.6	81.043	74.0	14.860	13.23	2.639	26.66	5.357	3.367	0.679
	S.D.	86.4	16.700	10.2	2.264	1.95	0.248	3.01	0.705	0.365	0.095

AB : Absolute weight, RE : Relative weight by body weight

Significantly different from TPGME 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side), ST : Steel test (two-side)

Table 15 - 2

Study No. : SR24018

Organ weight Sex : Male		Stage : Day 29						Species : Rat	
		Epididymis		Prostate		Seminal vesicle		Brain	
Test article		AB	RE	AB	RE	AB	RE	AB	RE
Dose	n	g	g/100g	mg	mg/100g	g	g/100g	g	g/100g
TPGME	n	7	7	7	7	7	7	7	7
0 mg/kg	Mean	1.359	0.279	643.1	133.116	2.250	0.463	2.197	0.451
	S.D.	0.115	0.023	151.7	37.937	0.247	0.051	0.054	0.030
TPGME	n	12	12	12	12	12	12	12	12
100 mg/kg	Mean	1.294	0.267	738.0	150.604	2.575	0.528	2.239	0.458
	S.D.	0.167	0.038	144.0	26.826	0.351	0.082	0.114	0.030
						DT *			
TPGME	n	12	12	12	12	12	12	12	12
300 mg/kg	Mean	1.271	0.258	673.7	136.155	2.421	0.493	2.172	0.443
	S.D.	0.120	0.026	164.4	28.912	0.178	0.046	0.094	0.024
TPGME	n	7	7	7	7	7	7	7	7
1000 mg/kg	Mean	1.317	0.263	633.3	126.024	2.633	0.527	2.204	0.443
	S.D.	0.100	0.024	159.0	29.486	0.300	0.045	0.081	0.034
						DT *			

AB : Absolute weight, RE : Relative weight by body weight

Significantly different from TPGME 0 mg/kg: * P<0.05

DT : Dunnett test (two-side)

Table 15 - 3

Study No. : SR24018

Organ weight Sex : Female			Stage : Day 14 after parturition							Species : Rat	
Test article Dose		Body weight g	Liver		Kidney		Heart		Spleen		
			AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g	
TPGME	n	12	12	12	12	12	12	12	12	12	
0 mg/kg	Mean	360.3	11.776	3.274	2.323	0.646	1.207	0.334	671.1	186.560	
	S.D.	19.3	0.627	0.205	0.186	0.057	0.074	0.019	88.4	25.245	
TPGME	n	12	12	12	12	12	12	12	12	12	
100 mg/kg	Mean	371.2	12.053	3.246	2.346	0.633	1.210	0.327	640.6	172.498	
	S.D.	16.1	0.955	0.187	0.188	0.047	0.093	0.020	92.2	22.906	
TPGME	n	12	12	12	12	12	12	12	12	12	
300 mg/kg	Mean	360.9	11.875	3.287	2.453	0.682	1.233	0.342	646.3	179.218	
	S.D.	24.5	1.064	0.149	0.202	0.043	0.105	0.017	84.7	22.222	
TPGME	n	11	11	11	11	11	11	11	11	11	
1000 mg/kg	Mean	352.4	13.163	3.739	2.403	0.681	1.218	0.346	651.9	185.044	
	S.D.	20.0	0.937	0.213	0.206	0.037	0.065	0.027	89.7	23.433	
			DT **	DT **							
Test article Dose		Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
		AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g
TPGME	n	12	12	12	12	12	12	12	12	12	12
0 mg/kg	Mean	256.1	70.967	79.0	21.973	18.43	5.126	17.83	4.940	106.8	29.673
	S.D.	61.7	16.427	10.9	3.214	2.67	0.780	3.47	0.869	9.5	2.782
TPGME	n	12	12	12	12	12	12	12	12	12	12
100 mg/kg	Mean	289.9	78.158	77.8	20.885	17.89	4.817	22.07	5.954	95.2	25.603
	S.D.	56.3	15.117	12.2	2.558	2.56	0.617	4.65	1.275	14.0	3.301
								DT *			DT *
TPGME	n	12	12	12	12	12	12	12	12	12	12
300 mg/kg	Mean	274.8	76.271	77.8	21.623	17.40	4.820	20.03	5.569	102.3	28.332
	S.D.	66.7	18.805	11.9	3.434	2.19	0.506	4.36	1.266	15.7	3.841
TPGME	n	11	11	11	11	11	11	11	11	11	11
1000 mg/kg	Mean	261.7	74.352	85.4	24.267	16.67	4.734	20.16	5.717	105.7	29.984
	S.D.	72.4	20.474	6.6	2.000	1.91	0.497	3.28	0.868	15.5	3.957

AB : Absolute weight, RE : Relative weight by body weight

Significantly different from TPGME 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side)

Table 15 - 4

Study No. : SR24018

Organ weight Sex : Female		Stage : Day 14 after parturition				Species : Rat
		Uterus		Brain		
Test article Dose		AB mg	RE mg/100g	AB g	RE g/100g	
TPGME 0 mg/kg	n	12	12	12	12	
	Mean	588.3	162.930	2.090	0.580	
	S.D.	109.2	27.181	0.092	0.031	
TPGME 100 mg/kg	n	12	12	12	12	
	Mean	543.1	146.518	2.103	0.567	
	S.D.	94.5	25.161	0.127	0.035	
TPGME 300 mg/kg	n	12	12	12	12	
	Mean	564.7	157.271	2.129	0.593	
	S.D.	100.8	32.015	0.096	0.036	
TPGME 1000 mg/kg	n	11	11	11	11	
	Mean	591.5	168.215	2.074	0.590	
	S.D.	147.6	42.741	0.087	0.031	

AB : Absolute weight, RE : Relative weight by body weight

Not significantly different from TPGME 0 mg/kg

Table 15 - 5

Study No. : SR24018

Organ weight		Stage : Day 29									
Sex : Female (satellite)		Species : Rat									
		Body weight	Liver		Kidney		Heart		Spleen		
Test article			AB	RE	AB	RE	AB	RE	AB	RE	
Dose		g	g	g/100g	g	g/100g	g	g/100g	mg	mg/100g	
TPGME	n	5	5	5	5	5	5	5	5	5	
0 mg/kg	Mean	293.0	7.650	2.612	2.004	0.684	0.998	0.342	568.8	193.650	
	S.D.	25.0	0.880	0.254	0.192	0.039	0.096	0.024	93.9	22.480	
TPGME	n	5	5	5	5	5	5	5	5	5	
1000 mg/kg	Mean	282.2	8.704	3.080	2.036	0.722	1.034	0.368	596.0	210.574	
	S.D.	9.4	0.734	0.200	0.141	0.045	0.073	0.025	97.8	29.397	
T2 *											
		Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
Test article		AB	RE	AB	RE	AB	RE	AB	RE	AB	RE
Dose		mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g
TPGME	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	392.6	133.156	82.2	28.026	21.24	7.292	18.62	6.438	114.0	38.690
	S.D.	74.3	15.355	16.3	4.928	5.19	1.911	3.93	1.578	35.4	10.211
TPGME	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	320.2	113.730	96.0	34.020	17.00	6.020	18.64	6.586	104.2	36.946
	S.D.	45.1	17.966	10.6	3.615	3.22	1.101	4.08	1.318	14.9	5.304
		Uterus		Brain							
Test article		AB	RE	AB	RE						
Dose		mg	mg/100g	g	g/100g						
TPGME	n	5	5	5	5						
0 mg/kg	Mean	649.8	225.102	2.062	0.708						
	S.D.	210.0	83.228	0.110	0.054						
TPGME	n	5	5	5	5						
1000 mg/kg	Mean	650.4	229.794	2.074	0.736						
	S.D.	197.1	66.184	0.049	0.019						

AB : Absolute weight, RE : Relative weight by body weight

Significantly different from TPGME 0 mg/kg: * P<0.05

T2 : Student t-test (two-side)

Table 15 - 6

Study No. : SR24018

Organ weight Sex : Male		Stage : Recovery day 15								Species : Rat	
		Body weight	Liver		Kidney		Heart		Spleen		
Test article			AB	RE	AB	RE	AB	RE	AB	RE	
Dose		g	g	g/100g	g	g/100g	g	g/100g	mg	mg/100g	
TPGME	n	5	5	5	5	5	5	5	5	5	
0 mg/kg	Mean	525.2	12.130	2.308	3.348	0.638	1.478	0.284	740.6	140.728	
	S.D.	29.7	0.901	0.071	0.417	0.060	0.116	0.028	108.9	15.716	
TPGME	n	5	5	5	5	5	5	5	5	5	
1000 mg/kg	Mean	533.0	14.648	2.746	3.452	0.648	1.504	0.284	819.0	153.752	
	S.D.	33.3	1.781	0.262	0.513	0.097	0.159	0.023	92.3	14.957	
			T2 *	A2 *							
		Thymus		Adrenal		Pituitary gland		Thyroid		Testis	
Test article		AB	RE	AB	RE	AB	RE	AB	RE	AB	RE
Dose		mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g	g	g/100g
TPGME	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	318.8	60.998	71.2	13.594	14.28	2.730	24.20	4.596	3.254	0.622
	S.D.	77.3	16.312	10.6	2.242	1.90	0.436	3.29	0.437	0.500	0.107
TPGME	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	366.6	67.946	70.6	13.134	16.12	3.030	27.50	5.186	3.032	0.572
	S.D.	121.0	18.366	27.2	4.370	2.20	0.413	3.25	0.784	0.466	0.085
		Epididymis		Prostate		Seminal vesicle		Brain			
Test article		AB	RE	AB	RE	AB	RE	AB	RE		
Dose		g	g/100g	mg	mg/100g	g	g/100g	g	g/100g		
TPGME	n	5	5	5	5	5	5	5	5		
0 mg/kg	Mean	1.292	0.248	773.2	147.962	2.352	0.448	2.300	0.440		
	S.D.	0.230	0.053	81.3	20.986	0.157	0.052	0.123	0.042		
TPGME	n	5	5	5	5	5	5	5	5		
1000 mg/kg	Mean	1.300	0.246	720.8	134.978	2.410	0.452	2.202	0.416		
	S.D.	0.158	0.032	136.3	20.886	0.418	0.081	0.092	0.036		

AB : Absolute weight, RE : Relative weight by body weight

Significantly different from TPGME 0 mg/kg: * P<0.05

A2 : Welch test (two-side), T2 : Student t-test (two-side)

Table 15 - 7

Study No. : SR24018

Organ weight			Stage : Recovery day 15								Species : Rat	
Sex : Female (satellite)			Liver		Kidney		Heart		Spleen			
Test article	Body weight		AB	RE	AB	RE	AB	RE	AB	RE		
Dose	g		g	g/100g	g	g/100g	g	g/100g	mg	mg/100g		
TPGME	n	5	5	5	5	5	5	5	5	5		
0 mg/kg	Mean	311.2	7.672	2.468	1.998	0.648	1.006	0.326	509.2	165.714		
	S.D.	23.8	0.757	0.209	0.167	0.085	0.066	0.032	84.1	36.946		
TPGME	n	5	5	5	5	5	5	5	5	5		
1000 mg/kg	Mean	315.8	8.188	2.602	2.058	0.654	1.032	0.330	606.6	191.774		
	S.D.	23.7	0.454	0.243	0.070	0.042	0.029	0.028	91.9	23.449		
Thymus			Adrenal		Pituitary gland		Thyroid		Ovary			
Test article	AB	RE	AB	RE	AB	RE	AB	RE	AB	RE		
Dose	mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g		
TPGME	n	5	5	5	5	5	5	5	5	5		
0 mg/kg	Mean	364.0	115.566	75.2	24.272	15.86	5.110	21.24	6.864	90.0		
	S.D.	111.4	25.395	13.0	4.634	2.08	0.692	3.28	1.290	10.3		
TPGME	n	5	5	5	5	5	5	5	5	5		
1000 mg/kg	Mean	302.0	96.222	78.8	25.044	21.62	6.964	21.56	6.846	96.4		
	S.D.	27.5	13.375	7.8	2.749	6.05	2.485	2.51	0.845	31.4		
Uterus			Brain									
Test article	AB	RE	AB	RE								
Dose	mg	mg/100g	g	g/100g								
TPGME	n	5	5	5	5							
0 mg/kg	Mean	564.4	181.964	2.074	0.670							
	S.D.	116.2	39.349	0.069	0.059							
TPGME	n	5	5	5	5							
1000 mg/kg	Mean	746.0	237.656	1.990	0.632							
	S.D.	151.6	53.424	0.110	0.036							

AB : Absolute weight, RE : Relative weight by body weight

Not significantly different from TPGME 0 mg/kg

Table 16 - 1

Study No. : SR24018

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Male		Test article	TPGME					TPGME				
Organ Findings	Dose		0 mg/kg					100 mg/kg				
	Number of Animals		7					12				
	Grade		-	1+	2+	3+	4+	-	1+	2+	3+	4+
Lung			7		<7>			0		<0>		
Bronchus			7		<7>			0		<0>		
Trachea			7		<7>			0		<0>		
Submandibular gland			7		<7>			0		<0>		
Esophagus			7		<7>			0		<0>		
Stomach			7		<7>			0		<0>		
Duodenum			7		<7>			0		<0>		
Jejunum			7		<7>			0		<0>		
Ileum			7		<7>			0		<0>		

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 2

Study No. : SR24018

Histopathological findings		Stage : Day 29										Species : Rat									
Sex : Male		TPGME					TPGME					TPGME					TPGME				
Organ Findings	Test article	0 mg/kg					100 mg/kg					300 mg/kg					1000 mg/kg				
	Dose	7					12					12					7				
	Number of Animals	-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Grade																					
Cecum		7	<7>				0	<0>				0	<0>				7	<7>			
Colon		7	<7>				0	<0>				0	<0>				7	<7>			
Rectum		7	<7>				0	<0>				0	<0>				7	<7>			
Pancreas		7	<7>				0	<0>				0	<0>				7	<7>			
Liver		7	<7>				0	<0>				0	<0>				7	<7>			
Heart		7	<7>				0	<0>				0	<0>				7	<7>			
Kidney		<7>					<12>					<12>					<7>				
Basophilic change, renal tubule, focal		7	0	0	0	0	11	1	0	0	0	12	0	0	0	0	6	1	0	0	0
Cast, hyaline		7	0	0	0	0	11	1	0	0	0	12	0	0	0	0	7	0	0	0	0
Cyst		7	0	0	0	0	11	1	0	0	0	12	0	0	0	0	7	0	0	0	0

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 3

Study No. : SR24018

Histopathological findings		Stage : Day 29															Species : Rat				
Sex : Male		Test article					TPGME					TPGME					TPGME				
		Dose					0					100					300				
		mg/kg					mg/kg					mg/kg					mg/kg				
		7					12					12					7				
Organ Findings		Number of Animals					Grade					Grade					Grade				
		-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Kidney		<7>					<12>					<12>					<7>				
	Eosinophilic body, proximal tubular epithelium	7	0	0	0	0	12	0	0	0	0	12	0	0	0	0	5	2	0	0	0
	Infarct	7	0	0	0	0	12	0	0	0	0	12	0	0	0	0	6	1	0	0	0
	Infiltration, inflammatory cell, interstitium, focal	7	0	0	0	0	12	0	0	0	0	11	1	0	0	0	7	0	0	0	0
Urinary bladder		<7>					<0>					<0>					<7>				
		7					0					0					7				
Testis		<7>					<1>					<0>					<7>				
	Degeneration/Atrophy, seminiferous tubule	7	0	0	0	0	0	0	0	0	1	0	0	0	0	0	7	0	0	0	0
Epididymis		<7>					<1>					<0>					<7>				
	Cell debris, lumen	7	0	0	0	0	0	1	0	0	0	0	0	0	0	0	7	0	0	0	0
	Decrease, spermatozoa	7	0	0	0	0	0	0	0	0	1	0	0	0	0	0	7	0	0	0	0
Prostate		<7>					<0>					<0>					<7>				
	Inflammation, interstitium	1	5	0	1	0	0	0	0	0	0	0	0	0	0	0	2	3	2	0	0
Seminal vesicle		<7>					<0>					<0>					<7>				
		7					0					0					7				

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 4

Study No. : SR24018

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Male		Test article	TPGME					TPGME				
Organ Findings	Dose		0 mg/kg					100 mg/kg				
	Number of Animals		7					12				
	Grade		-	1+	2+	3+	4+	-	1+	2+	3+	4+
Coagulating gland			7		<7>			0		<0>		
Cerebrum			7		<7>			0		<0>		
Cerebellum			7		<7>			0		<0>		
Pons			7		<7>			0		<0>		
Spinal cord			7		<7>			0		<0>		
Sciatic nerve			7		<7>			0		<0>		
Spleen			7		<7>			0		<0>		
Thymus			7		<7>			0		<0>		
Bone marrow, femur			7		<7>			0		<0>		

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 5

Study No. : SR24018

Histopathological findings		Stage : Day 29										Species : Rat										
Sex : Male		TPGME					TPGME					TPGME					TPGME					
Organ Findings	Test article	Dose					Dose					Dose					Dose					
		0 mg/kg					100 mg/kg					300 mg/kg					1000 mg/kg					
	Number of Animals	7					12					12					7					
Grade		-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Submandibular lymph node		7	<7>				0	<0>				0	<0>				7	<7>				
Mesenteric lymph node		7	<7>				0	<0>				0	<0>				7	<7>				
Peyer's patch		7	<7>				0	<0>				0	<0>				7	<7>				
Pituitary gland		7	<7>				0	<0>				0	<0>				7	<7>				
Thyroid																						
Remnant, ultimobranchial body		6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	0	0	
Parathyroid		7	<7>				0	<0>				0	<0>				7	<7>				
Adrenal		7	<7>				0	<0>				0	<0>				7	<7>				
Eyeball		7	<7>				0	<0>				0	<0>				7	<7>				

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 6

Study No. : SR24018

Histopathological findings		Stage : Day 29															Species : Rat				
Sex : Male		Test article					TPGME					TPGME					TPGME				
Dose		0					100					300					1000				
mg/kg		7					12					12					7				
Number of Animals		7					12					12					7				
Grade		-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Organ Findings		<7>					<0>					<0>					<7>				
Harderian gland		<7>					<0>					<0>					<7>				
Infiltration, inflammatory cell, focal		7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	0	0
Skeletal muscle		<7>					<0>					<0>					<7>				
7		<7>					<0>					<0>					<7>				
Femur		<7>					<0>					<0>					<7>				
7		<7>					<0>					<0>					<7>				
Mammary gland		<7>					<0>					<0>					<7>				
7		<7>					<0>					<0>					<7>				

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 7

Study No. : SR24018

Histopathological findings		Stage : Day 14 after parturition										Species : Rat
Sex : Female		TPGME					TPGME					
Test article		Dose					Dose					
		0 mg/kg					1000 mg/kg					
Number of Animals		12					11					
Grade		-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Organ Findings		<12>					<11>					
Lung		<12>					<11>					
Accumulation, macrophage, alveolar		11	1	0	0	0	10	1	0	0	0	
Hemorrhage, focal		11	1	0	0	0	10	1	0	0	0	
Bronchus		<12>					<11>					
		12					11					
Trachea		<12>					<11>					
		12					11					
Submandibular gland		<12>					<11>					
		12					11					
Esophagus		<12>					<11>					
		12					11					
Stomach		<12>					<11>					
		12					11					
Duodenum		<12>					<11>					
		12					11					
Jejunum		<12>					<11>					
		12					11					

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 8

Study No. : SR24018

Histopathological findings		Stage : Day 14 after parturition										Species : Rat
Sex : Female		TPGME					TPGME					
Test article		Dose					Dose					
		0 mg/kg					1000 mg/kg					
Number of Animals		12					11					
Grade		-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Organ Findings		<12>					<11>					
Ileum		12					11					
Cecum		12					11					
Colon		12					11					
Rectum		12					11					
Pancreas		12					10					
Atrophy, acinar cell, focal		12	0	0	0	0	10	1	0	0	0	
Infiltration, inflammatory cell, interstitium		11	1	0	0	0	11	0	0	0	0	
Liver		12					10					
Necrosis, focal		12	0	0	0	0	10	1	0	0	0	
Microgranuloma		11	1	0	0	0	11	0	0	0	0	
Heart		12					11					

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 9

Study No. : SR24018

Histopathological findings		Stage : Day 14 after parturition										Species : Rat
Sex : Female		TPGME					TPGME					
Test article		Dose					Dose					
		0 mg/kg					1000 mg/kg					
		12					11					
Organ Findings	Number of Animals Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Kidney		<12>					<11>					
		12					11					
Urinary bladder		<12>					<11>					
		12					11					
Ovary		<12>					<11>					
		12					11					
Uterine horn		<12>					<11>					
		12					11					
Uterine cervix		<12>					<11>					
		12					11					
Vagina		<12>					<11>					
		12					11					
Cerebrum		<12>					<11>					
		12					11					
Cerebellum		<12>					<11>					
		12					11					
Pons		<12>					<11>					
		12					11					

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 10

Study No. : SR24018

Histopathological findings		Stage : Day 14 after parturition										Species : Rat
Sex : Female		TPGME					TPGME					
Test article		0					1000					
Dose		mg/kg					mg/kg					
Number of Animals		12					11					
Organ Findings		-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Spinal cord		<12>					<11>					
		12					11					
Sciatic nerve		<12>					<11>					
		12					11					
Spleen		<12>					<11>					
		12					11					
Thymus		<12>					<11>					
Remnant, epithelial cell		9	3	0	0	0	10	1	0	0	0	
Bone marrow, femur		<12>					<11>					
		12					11					
Submandibular lymph node		<12>					<11>					
		12					11					
Mesenteric lymph node		<12>					<11>					
		12					11					
Peyer's patch		<12>					<11>					
		12					11					
Pituitary gland		<12>					<11>					
		12					11					

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 11

Study No. : SR24018

Histopathological findings		Stage : Day 14 after parturition										Species : Rat
Sex : Female		TPGME					TPGME					
Organ Findings	Test article											
	Dose	0					1000					
	Number of Animals	mg/kg					mg/kg					
	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Thyroid		<12>					<11>					
Remnant, ultimobranchial body		9	3	0	0	0	7	4	0	0	0	
Parathyroid		<12>					<11>					
		12					11					
Adrenal		<12>					<11>					
		12					11					
Eyeball		<12>					<11>					
		12					11					
Harderian gland		<12>					<11>					
		12					11					
Skeletal muscle		<12>					<11>					
		12					11					
Femur		<12>					<11>					
		12					11					
Mammary gland		<12>					<11>					
		12					11					

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 12

Study No. : SR24018

Histopathological findings		Stage : Non-pregnancy		Species : Rat
Sex : Female				
Organ Findings	Test article	TPGME		
	Dose	1000 mg/kg		
	Number of Animals	1		
	Grade	-		
Lung		1	<1>	
Bronchus		1	<1>	
Trachea		1	<1>	
Submandibular gland		1	<1>	
Esophagus		1	<1>	
Stomach		1	<1>	
Duodenum		1	<1>	
Jejunum		1	<1>	
Ileum		1	<1>	
<> : Number of animals examined				
- : Not remarkable				

Table 16 - 13

Study No. : SR24018

Histopathological findings		Stage : Non-pregnancy		Species : Rat
Sex : Female				
Organ Findings	Test article	TPGME		
	Dose	1000 mg/kg		
	Number of Animals	1		
	Grade	-		
Cecum		1	<1>	
Colon		1	<1>	
Rectum		1	<1>	
Pancreas		1	<1>	
Liver		1	<1>	
Heart		1	<1>	
Kidney		1	<1>	
Urinary bladder		1	<1>	
Ovary		1	<1>	
<> : Number of animals examined				
- : Not remarkable				

Table 16 - 14

Study No. : SR24018

Histopathological findings		Stage : Non-pregnancy		Species : Rat
	Test article	TPGME		
	Dose	1000 mg/kg		
Organ	Number of Animals	1		
Findings	Grade	-		
Uterine horn		<1>		
		1		
Uterine cervix		<1>		
		1		
Vagina		<1>		
		1		
Cerebrum		<1>		
		1		
Cerebellum		<1>		
		1		
Pons		<1>		
		1		
Spinal cord		<1>		
		1		
Sciatic nerve		<1>		
		1		
Spleen		<1>		
		1		
<> : Number of animals examined				
- : Not remarkable				

Table 16 - 15

Study No. : SR24018

Histopathological findings		Stage : Non-pregnancy		Species : Rat
Sex : Female				
	Test article	TPGME		
	Dose	1000 mg/kg		
Organ Findings	Number of Animals	1		
	Grade	-		
Thymus		<1>		
		1		
Bone marrow, femur		<1>		
		1		
Submandibular lymph node		<1>		
		1		
Mesenteric lymph node		<1>		
		1		
Peyer's patch		<1>		
		1		
Pituitary gland		<1>		
		1		
Thyroid		<1>		
		1		
Parathyroid		<1>		
		1		
Adrenal		<1>		
		1		
<> : Number of animals examined				
- : Not remarkable				

Table 16 - 16

Study No. : SR24018

Histopathological findings			Stage : Non-pregnancy	Species : Rat
Sex : Female				
Organ Findings	Test article	TPGME		
	Dose	1000 mg/kg		
	Number of Animals	1		
	Grade	-		
	Eyeball		<1>	
		1		
Harderian gland		<1>		
		1		
Skeletal muscle		<1>		
		1		
Femur		<1>		
		1		
Mammary gland		<1>		
		1		
<> : Number of animals examined				
- : Not remarkable				

Table 16 - 17

Study No. : SR24018

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Female (satellite)		TPGME					TPGME					
Organ Findings	Test article											
	Dose	0					1000					
	Number of Animals	mg/kg					mg/kg					
	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Lung		5	<5>				5	<5>				
Bronchus		5	<5>				5	<5>				
Trachea		5	<5>				5	<5>				
Submandibular gland		5	<5>				5	<5>				
Esophagus		5	<5>				5	<5>				
Stomach		5	<5>				5	<5>				
Duodenum		5	<5>				5	<5>				
Jejunum		5	<5>				5	<5>				
Ileum		5	<5>				5	<5>				

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 18

Study No. : SR24018

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Female (satellite)		Test article					TPGME					
Organ Findings	Dose	Number of Animals	0 mg/kg					1000 mg/kg				
			5					5				
			-	1+	2+	3+	4+	-	1+	2+	3+	4+
Cecum			<5>					<5>				
			5					5				
Colon			<5>					<5>				
			5					5				
Rectum			<5>					<5>				
			5					5				
Pancreas			<5>					<5>				
Infiltration, inflammatory cell, interstitium			4	1	0	0	0	5	0	0	0	0
Liver			<5>					<5>				
			5					5				
Heart			<5>					<5>				
			5					5				
Kidney			<5>					<5>				
			5					5				
Urinary bladder			<5>					<5>				
			5					5				
Ovary			<5>					<5>				
			5					5				

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 19

Study No. : SR24018

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Female (satellite)		TPGME					TPGME					
Organ Findings	Test article											
	Dose	0					1000					
	Number of Animals	mg/kg					mg/kg					
		Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Uterine horn		5	<5>				5	<5>				
Uterine cervix		5	<5>				5	<5>				
Vagina		5	<5>				5	<5>				
Cerebrum		5	<5>				5	<5>				
Cerebellum		5	<5>				5	<5>				
Pons		5	<5>				5	<5>				
Spinal cord		5	<5>				5	<5>				
Sciatic nerve		5	<5>				5	<5>				
Spleen		5	<5>				5	<5>				

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 20

Study No. : SR24018

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Female (satellite)		Test article					TPGME					
Organ Findings	Dose	Number of Animals	0 mg/kg					1000 mg/kg				
			5					5				
			-	1+	2+	3+	4+	-	1+	2+	3+	4+
Thymus			<5>					<5>				
Remnant, epithelial cell			4	1	0	0	0	5	0	0	0	0
Bone marrow, femur			<5>					<5>				
			5					5				
Submandibular lymph node			<5>					<5>				
			5					5				
Mesenteric lymph node			<5>					<5>				
			5					5				
Peyer's patch			<5>					<5>				
			5					5				
Pituitary gland			<5>					<5>				
			5					5				
Thyroid			<5>					<5>				
Remnant, ultimobranchial body			4	1	0	0	0	2	3	0	0	0
Parathyroid			<5>					<5>				
			5					5				
Adrenal			<5>					<5>				
			5					5				

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 21

Study No. : SR24018

Histopathological findings		Stage : Day 29										Species : Rat
Sex : Female (satellite)		TPGME					TPGME					
Test article												
Dose		0					1000					
		mg/kg					mg/kg					
Number of Animals		5					5					
Grade		-	1+	2+	3+	4+	-	1+	2+	3+	4+	
Organ Findings		<5>					<5>					
Eyeball		5					5					
Harderian gland		<5>					<5>					
Infiltration, inflammatory cell, focal		4	1	0	0	0	5	0	0	0	0	
Skeletal muscle		<5>					<5>					
		5					5					
Femur		<5>					<5>					
		5					5					
Mammary gland		<5>					<5>					
		5					5					

<> : Number of animals examined

- : Not remarkable

1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Not significantly different from TPGME 0 mg/kg

Table 16 - 22

Study No. : SR24018

Histopathological findings		Stage : Recovery Day 15										Species : Rat
Sex : Male		Test article					TPGME					
		Dose					TPGME					
		0					1000					
		mg/kg					mg/kg					
		5					5					
Organ	Findings	Number of Animals					Number of Animals					
		Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Kidney			<5>					<5>				
	Basophilic change, renal tubule, focal		5	0	0	0	0	3	2	0	0	0
	Eosinophilic body, proximal tubular epithelium		5	0	0	0	0	4	1	0	0	0

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe
Not significantly different from TPGME 0 mg/kg

Table 17

Study No. : SR24018

Estrous cycles Generation : F0		Species : Rat		
Test article Dose		/Before mating	Number of estrus	Number of animals with acyclic or irregular cycle
		Mean length of estrous cycle (Days)		
TPGME 0 mg/kg	n	12	12	12
	Mean	4.08	3.5	(0)
	S.D.	0.29	0.5	
TPGME 100 mg/kg	n	12	12	12
	Mean	4.29	3.3	(0)
	S.D.	0.45	0.5	
TPGME 300 mg/kg	n	12	12	12
	Mean	4.08	3.3	(0)
	S.D.	0.29	0.5	
TPGME 1000 mg/kg	n	12	12	12
	Mean	4.25	3.3	(0)
	S.D.	0.40	0.5	

() : Values in brackets represent number of animals with acyclic or irregular cycle.
 Not significantly different from TPGME 0 mg/kg

Table 18 - 1

Study No. : SR24018

Reproductive performance		Sex : Male				Species : Rat			
Generation : F0				1st mating		2nd mating		Total	
Test article		Number of	Day of	Copulation	Fertility	Copulation	Fertility	Copulation	Fertility
Dose		pairs	conceiving	index (%)	index (%)	index (%)	index (%)	index (%)	index (%)
TPGME	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)
0 mg/kg	Mean		2.8	100.0	100.0			100.0	100.0
	S.D.		1.3						
TPGME	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)
100 mg/kg	Mean		2.6	100.0	100.0			100.0	100.0
	S.D.		1.3						
TPGME	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)
300 mg/kg	Mean		2.2	100.0	100.0			100.0	100.0
	S.D.		1.4						
TPGME	n	12	12	(12/12)	(11/12)			(12/12)	(11/12)
1000 mg/kg	Mean		1.9	100.0	91.7			100.0	91.7
	S.D.		1.2						
Not significantly different from TPGME 0 mg/kg									

Table 18 - 2

Study No. : SR24018

		Reproductive performance								Species : Rat	
		Generation : F0		Sex : Female							
Test article Dose		Number of pairs	Day of conceiving	1st mating		2nd mating		Total			
				Copulation index (%)	Fertility index (%)	Copulation index (%)	Fertility index (%)	Copulation index (%)	Fertility index (%)		
TPGME 0 mg/kg	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)		
	Mean		2.8	100.0	100.0			100.0	100.0		
	S.D.		1.3								
TPGME 100 mg/kg	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)		
	Mean		2.6	100.0	100.0			100.0	100.0		
	S.D.		1.3								
TPGME 300 mg/kg	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)		
	Mean		2.2	100.0	100.0			100.0	100.0		
	S.D.		1.4								
TPGME 1000 mg/kg	n	12	12	(12/12)	(11/12)			(12/12)	(11/12)		
	Mean		1.9	100.0	91.7			100.0	91.7		
	S.D.		1.2								
Not significantly different from TPGME 0 mg/kg											

Table 19 - 1

Study No. : SR24018

Test article Dose		Delivery data Generation : F0					Species : Rat					
		Gestation length (day)	Gestation index (%)	Number of implan- tation	Delivery index (%)	Number of offspring	Number of live newborns			Sex ratio (%)		Number of dead newborns
							M	F	Total	live- borns	delivered pups	
TPGME	n	12	12/12	12	12	12	12	12	12	90/180	96/187	12
0 mg/kg	Mean	22.17	100.0	16.5	94.45	15.6	7.5	7.5	15.0	50.0	51.3	0.6
	S.D.	0.39		1.2	5.85	1.5	2.4	1.6	1.7			1.0
TPGME	n	12	12/12	12	12	12	12	12	12	94/184	95/186	12
100 mg/kg	Mean	22.50	100.0	16.7	93.57	15.5	7.8	7.5	15.3	51.1	51.1	0.2
	S.D.	0.52		4.0	8.58	3.8	3.1	2.0	3.8			0.4
TPGME	n	12	12/12	12	12	12	12	12	12	91/185	92/187	12
300 mg/kg	Mean	22.08	100.0	16.8	92.36	15.6	7.6	7.8	15.4	49.2	49.2	0.2
	S.D.	0.29		1.6	9.26	2.4	1.7	2.3	2.3			0.4
TPGME	n	11	11/11	11	11	11	11	11	11	86/171	87/173	11
1000 mg/kg	Mean	22.18	100.0	16.7	94.28	15.7	7.8	7.7	15.5	50.3	50.3	0.2
	S.D.	0.40		1.2	5.58	0.8	2.7	2.3	1.1			0.6

M : Male, F : Female

Not significantly different from TPGME 0 mg/kg

Table 19 - 2

Study No. : SR24018

Delivery data (external examination of offspring) Generation : F1					Postnatal Day : 0 Species : Rat
Test article	TPGME	TPGME	TPGME	TPGME	
Dose	0	100	300	1000	
Dose unit	mg/kg	mg/kg	mg/kg	mg/kg	
Number of dams	12	12	12	11	
Number of offspring	180	184	185	171	
Number of dams with anomalous offspring (incidence %)	0(0.00)	0(0.00)	0(0.00)	0(0.00)	
Number of offspring with any anomaly (incidence %)	0(0.00)	0(0.00)	0(0.00)	0(0.00)	
Not significantly different from TPGME 0 mg/kg					

Table 20

Study No. : SR24018

Clinical signs of offspring Generation : F1		Species : Rat													
Test article	Postnatal Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13
Dose	Clinical signs														
TPGME	Number of dams examined	12	12	12	12	12	12	12	12	12	12	12	12	12	12
0 mg/kg	Number of offspring	180	180	180	180	175	96	96	96	96	96	96	96	96	96
	Number of dams with anomalous offspring	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TPGME	Number of dams examined	12	12	12	12	12	12	12	12	12	12	12	12	12	12
100 mg/kg	Number of offspring	184	184	184	182	180	96	96	96	96	96	96	96	96	96
	Number of dams with anomalous offspring	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TPGME	Number of dams examined	12	12	12	12	12	12	12	12	12	12	12	12	12	12
300 mg/kg	Number of offspring	185	184	184	184	183	96	96	96	96	96	96	96	96	96
	Number of dams with anomalous offspring	1	1	1	1	1	0	0	0	0	0	0	0	0	1
	Loss of tail	1	1	1	1	1	0	0	0	0	0	0	0	0	0
	Small pinna	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TPGME	Number of dams examined	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1000 mg/kg	Number of offspring	171	171	171	171	166	88	88	88	88	88	88	88	88	88
	Number of dams with anomalous offspring	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 21

Study No. : SR24018

Litter size and viability index of offspring		Species : Rat						
Generation : F1								
/Postnatal Day		0	0	4	4	4	13	13
Test article			Viability	Pre-culled	Viability	Post-culled		Viability
Dose			index (%)		index (%)			index (%)
TPGME	Total	180		175		96	96	
0 mg/kg	n	12	12	12	12	12	12	12
	Mean		96.28		97.29			100.00
	S.D.		6.67		3.36			0.00
TPGME	Total	184		180		96	96	
100 mg/kg	n	12	12	12	12	12	12	12
	Mean		98.99		98.04			100.00
	S.D.		2.40		4.89			0.00
TPGME	Total	185		183		96	96	
300 mg/kg	n	12	12	12	12	12	12	12
	Mean		99.02		99.02			100.00
	S.D.		2.30		3.41			0.00
TPGME	Total	171		166		88	88	
1000 mg/kg	n	11	11	11	11	11	11	11
	Mean		98.79		97.22			100.00
	S.D.		4.01		4.15			0.00
Not significantly different from TPGME 0 mg/kg								

Table 22

Study No. : SR24018

Litter data on body weight of offspring			Unit : g				Species : Rat	
Generation : F1								
Test article			/Postnatal Day					
Dose			0	4	7	13		
TPGME 0 mg/kg	Male	n	12	12	12	12		
		Mean	6.609	10.594	18.385	34.959		
		S.D.	0.488	0.889	1.604	2.623		
	Female	n	12	12	12	12		
		Mean	6.318	10.152	17.647	33.811		
		S.D.	0.433	0.904	1.851	3.166		
TPGME 100 mg/kg	Male	n	12	12	12	12		
		Mean	6.950	10.968	18.508	35.768		
		S.D.	1.025	2.340	2.865	3.013		
	Female	n	12	12	12	12		
		Mean	6.647	10.373	17.689	34.450		
		S.D.	0.968	2.261	2.677	2.899		
TPGME 300 mg/kg	Male	n	12	12	12	12		
		Mean	6.601	10.359	18.153	34.832		
		S.D.	0.536	1.629	2.009	2.299		
	Female	n	12	12	12	12		
		Mean	6.238	9.749	16.959	33.287		
		S.D.	0.523	1.641	2.530	2.974		
TPGME 1000 mg/kg	Male	n	11	11	11	11		
		Mean	6.652	10.025	17.186	32.921		
		S.D.	0.458	1.007	1.684	2.227		
	Female	n	11	11	11	11		
		Mean	6.196	9.339	16.119	31.440		
		S.D.	0.433	0.974	1.657	2.213		
Not significantly different from TPGME 0 mg/kg								

Table 23

Study No. : SR24018

Litter data on anogenital distance of offspring Generation : F1					Unit : mm	Species : Rat
Dose Test article	Sex	/Postnatal Day 4				
			AGD	AGD/ ³ √BW		
TPGME 0 mg/kg	Male	n	12	12		
		Mean	5.7779	2.6346		
		S.D.	0.2812	0.0904		
	Female	n	12	12		
		Mean	2.7138	1.2563		
		S.D.	0.0472	0.0336		
TPGME 100 mg/kg	Male	n	12	12		
		Mean	5.8912	2.6702		
		S.D.	0.3296	0.0845		
	Female	n	12	12		
		Mean	2.7648	1.2779		
		S.D.	0.1359	0.0541		
TPGME 300 mg/kg	Male	n	12	12		
		Mean	5.8002	2.6737		
		S.D.	0.1166	0.0970		
	Female	n	12	12		
		Mean	2.7361	1.2883		
		S.D.	0.0665	0.0455		
TPGME 1000 mg/kg	Male	n	11	11		
		Mean	5.7700	2.6840		
		S.D.	0.1289	0.0908		
	Female	n	11	11		
		Mean	2.7160	1.2949		
		S.D.	0.0376	0.0446		

AGD : Anogenital Distance

Not significantly different from TPGME 0 mg/kg

Table 24

Study No. : SR24018

Litter data on nipple retention of male offspring				Unit : No.	Species : Rat
Generation : F1					
Test article	Dose	Male	Postnatal Day 13		
			Number of nipples		
TPGME	0 mg/kg	Male	n	12	
			Mean	0.00	
			S.D.	0.00	
TPGME	100 mg/kg	Male	n	12	
			Mean	0.00	
			S.D.	0.00	
TPGME	300 mg/kg	Male	n	12	
			Mean	0.00	
			S.D.	0.00	
TPGME	1000 mg/kg	Male	n	11	
			Mean	0.00	
			S.D.	0.00	
Not significantly different from TPGME 0 mg/kg					

Table 25

Study No. : SR24018

Serum T4 concentration of offspring Generation : F1		Stage : Postnatal Day 13	Species : Rat
T4			
Test article Dose	ng/mL		
TPGME 0 mg/kg	n	12	
	Mean	48.47	
	S.D.	6.55	
TPGME 100 mg/kg	n	12	
	Mean	46.57	
	S.D.	8.21	
TPGME 300 mg/kg	n	12	
	Mean	49.65	
	S.D.	5.58	
TPGME 1000 mg/kg	n	11	
	Mean	48.30	
	S.D.	4.48	
Not significantly different from TPGME 0 mg/kg			

Table 26

Study No. : SR24018

Necropsy findings of offspring Generation : F1					Species : Rat
Test article	TPGME	TPGME	TPGME	TPGME	
Dose	0	100	300	1000	
Dose unit	mg/kg	mg/kg	mg/kg	mg/kg	
Number of dams	12	12	12	11	
Number of live offspring examined on postnatal Day 13	96	96	96	88	
Finding absent	96	96	95	88	
Small pinna	0	0	1	0	
Number of dead offspring examined on postnatal Day 0-13	7	3	3	3	
Finding absent	7	3	3	3	

Clinical signs Sex : Male		Period : Administration Day 1-14 Dose : TPGME 0 mg/kg																Species : Rat				
Animal No.	Clinical signs	Day	1		2		3		4		5		6		7		8		9			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		
10101	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10102	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10103	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10104	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10105	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10106	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10107	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10108	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10109	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10110	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10111	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10112	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Animal No.	Clinical signs	Day	10		11		12		13		14											
		Time	1	2	1	2	1	2	1	2	1	2										
10101	No abnormality		-	-	-	-	-	-	-	-	-	-										
10102	No abnormality		-	-	-	-	-	-	-	-	-	-										
10103	No abnormality		-	-	-	-	-	-	-	-	-	-										
10104	No abnormality		-	-	-	-	-	-	-	-	-	-										
10105	No abnormality		-	-	-	-	-	-	-	-	-	-										
10106	No abnormality		-	-	-	-	-	-	-	-	-	-										
10107	No abnormality		-	-	-	-	-	-	-	-	-	-										
10108	No abnormality		-	-	-	-	-	-	-	-	-	-										
10109	No abnormality		-	-	-	-	-	-	-	-	-	-										
10110	No abnormality		-	-	-	-	-	-	-	-	-	-										
10111	No abnormality		-	-	-	-	-	-	-	-	-	-										
10112	No abnormality		-	-	-	-	-	-	-	-	-	-										

1 : Before dosing, 2 : After dosing

Clinical signs		Period : Administration Day 15-29												Species : Rat							
Sex : Male		Dose : TPGME 0 mg/kg																			
Animal No.	Clinical signs	Day	15		16		17		18		19		20		21		22		23		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
10101	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10102	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10103	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10104	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10105	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10106	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10107	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10108	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10109	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10110	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10111	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10112	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	24		25		26		27		28		29								
		Time	1	2	1	2	1	2	1	2	1	2	3								
10101	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10102	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10103	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10104	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10105	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10106	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10107	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10108	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10109	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10110	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10111	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10112	No abnormality		-	-	-	-	-	-	-	-	-	-	-								

1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical signs		Period : Administration Day 1-14																
Sex : Male		Dose : TPGME 100 mg/kg																
		Species : Rat																
Animal No.	Clinical signs	Day	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
10201	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10202	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10203	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10204	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10205	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10206	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10207	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10208	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10209	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10210	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10211	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10212	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	10	11	12	13	14											
		Time	1	2	1	2	1	2	1	2	1	2						
10201	No abnormality		-	-	-	-	-	-	-	-	-							
10202	No abnormality		-	-	-	-	-	-	-	-	-							
10203	No abnormality		-	-	-	-	-	-	-	-	-							
10204	No abnormality		-	-	-	-	-	-	-	-	-							
10205	No abnormality		-	-	-	-	-	-	-	-	-							
10206	No abnormality		-	-	-	-	-	-	-	-	-							
10207	No abnormality		-	-	-	-	-	-	-	-	-							
10208	No abnormality		-	-	-	-	-	-	-	-	-							
10209	No abnormality		-	-	-	-	-	-	-	-	-							
10210	No abnormality		-	-	-	-	-	-	-	-	-							
10211	No abnormality		-	-	-	-	-	-	-	-	-							
10212	No abnormality		-	-	-	-	-	-	-	-	-							

1 : Before dosing, 2 : After dosing

Clinical signs		Period : Administration Day 15-29												Species : Rat							
Sex : Male		Dose : TPGME 100 mg/kg																			
Animal No.	Clinical signs	Day	15		16		17		18		19		20		21		22		23		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
10201	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10202	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10203	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10204	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10205	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10206	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10207	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10208	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10209	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10210	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10211	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10212	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	24		25		26		27		28		29								
		Time	1	2	1	2	1	2	1	2	1	2	3								
10201	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10202	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10203	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10204	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10205	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10206	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10207	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10208	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10209	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10210	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10211	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10212	No abnormality		-	-	-	-	-	-	-	-	-	-	-								

1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical signs		Period : Administration Day 1-14																			
Sex : Male		Dose : TPGME 300 mg/kg																			
		Species : Rat																			
Animal No.	Clinical signs	Day	1		2		3		4		5		6		7		8		9		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
10301	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10302	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10303	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10304	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10305	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10306	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10307	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10308	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10309	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10310	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10311	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10312	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	10		11		12		13		14										
		Time	1	2	1	2	1	2	1	2	1	2									
10301	No abnormality		-	-	-	-	-	-	-	-	-	-									
10302	No abnormality		-	-	-	-	-	-	-	-	-	-									
10303	No abnormality		-	-	-	-	-	-	-	-	-	-									
10304	No abnormality		-	-	-	-	-	-	-	-	-	-									
10305	No abnormality		-	-	-	-	-	-	-	-	-	-									
10306	No abnormality		-	-	-	-	-	-	-	-	-	-									
10307	No abnormality		-	-	-	-	-	-	-	-	-	-									
10308	No abnormality		-	-	-	-	-	-	-	-	-	-									
10309	No abnormality		-	-	-	-	-	-	-	-	-	-									
10310	No abnormality		-	-	-	-	-	-	-	-	-	-									
10311	No abnormality		-	-	-	-	-	-	-	-	-	-									
10312	No abnormality		-	-	-	-	-	-	-	-	-	-									

1 : Before dosing, 2 : After dosing

Clinical signs		Period : Administration Day 15-29												Species : Rat						
Sex : Male		Dose : TPGME 300 mg/kg																		
Animal No.	Clinical signs	Day	15		16		17		18		19		20		21		22		23	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
10301	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10302	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10303	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10304	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10305	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10306	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10307	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10308	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10309	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10310	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10311	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10312	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	24		25		26		27		28		29							
		Time	1	2	1	2	1	2	1	2	1	2	3							
10301	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10302	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10303	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10304	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10305	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10306	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10307	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10308	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10309	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10310	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10311	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
10312	No abnormality		-	-	-	-	-	-	-	-	-	-	-							

1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical signs		Period : Administration Day 1-14																			
Sex : Male		Dose : TPGME 1000 mg/kg																			
		Species : Rat																			
Animal No.	Clinical signs	Day	1		2		3		4		5		6		7		8		9		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
10401	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10402	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10403	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10404	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10405	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10406	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10407	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10408	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10409	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10410	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10411	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10412	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	10		11		12		13		14										
		Time	1	2	1	2	1	2	1	2	1	2									
10401	No abnormality		-	-	-	-	-	-	-	-	-	-									
10402	No abnormality		-	-	-	-	-	-	-	-	-	-									
10403	No abnormality		-	-	-	-	-	-	-	-	-	-									
10404	No abnormality		-	-	-	-	-	-	-	-	-	-									
10405	No abnormality		-	-	-	-	-	-	-	-	-	-									
10406	No abnormality		-	-	-	-	-	-	-	-	-	-									
10407	No abnormality		-	-	-	-	-	-	-	-	-	-									
10408	No abnormality		-	-	-	-	-	-	-	-	-	-									
10409	No abnormality		-	-	-	-	-	-	-	-	-	-									
10410	No abnormality		-	-	-	-	-	-	-	-	-	-									
10411	No abnormality		-	-	-	-	-	-	-	-	-	-									
10412	No abnormality		-	-	-	-	-	-	-	-	-	-									

1 : Before dosing, 2 : After dosing

Clinical signs		Period : Administration Day 15-29												Species : Rat							
Sex : Male		Dose : TPGME 1000 mg/kg																			
Animal No.	Clinical signs	Day	15		16		17		18		19		20		21		22		23		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
10401	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10402	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10403	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10404	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10405	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10406	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10407	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10408	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10409	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10410	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10411	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10412	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	24		25		26		27		28		29								
		Time	1	2	1	2	1	2	1	2	1	2	3								
10401	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10402	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10403	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10404	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10405	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10406	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10407	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10408	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10409	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10410	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10411	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10412	No abnormality		-	-	-	-	-	-	-	-	-	-	-								

1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical signs Sex : Female		Period : Administration Day 1-17 Dose : TPGME 0 mg/kg																Species : Rat			
Animal No.	Clinical signs	Day	1		2		3		4		5		6		7		8		9		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50151	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50152	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50153	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50154	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50155	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50156	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50157	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50158	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50159	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50160	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50161	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50162	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	10		11		12		13		14		15		16		17				
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
50151	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50152	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50153	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50154	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50155	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50156	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50157	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50158	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50159	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50160	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50161	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50162	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female		Period : Gestation Day 0-22 Dose : TPGME 0 mg/kg Species : Rat																		
Animal No.	Clinical signs	Day	0		1		2		3		4		5		6		7		8	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50151	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50152	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50153	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50154	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50155	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50156	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50157	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50158	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50159	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50160	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50161	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50162	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	9		10		11		12		13		14		15		16		17	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50151	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50152	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50153	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50154	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50155	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50156	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50157	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50158	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50159	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50160	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50161	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50162	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	18		19		20		21		22									
		Time	1	2	1	2	1	2	1	2	1	2								
50151	No abnormality		-	-	-	-	-	-	-	-	-									
50152	No abnormality		-	-	-	-	-	-	-	-	-									
50153	No abnormality		-	-	-	-	-	-	-	-	-									
50154	No abnormality		-	-	-	-	-	-	-	-	-									
50155	No abnormality		-	-	-	-	-	-	-	-	-									
50156	No abnormality		-	-	-	-	-	-	-	-	-									
50157	No abnormality		-	-	-	-	-	-	-	-	-									
50158	No abnormality		-	-	-	-	-	-	-	-	-									
50159	No abnormality		-	-	-	-	-	-	-	-	-									
50160	No abnormality		-	-	-	-	-	-	-	-	-									
50161	No abnormality		-	-	-	-	-	-	-	-	-									
50162	No abnormality		-	-	-	-	-	-	-	-	-									

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female		Period : Lactation Day 0-14 Dose : TPGME 0 mg/kg																Species : Rat			
Animal No.	Clinical signs	Day	0		1		2		3		4		5		6		7		8		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50151	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50152	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50153	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50154	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50155	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50156	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50157	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50158	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50159	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50160	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50161	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50162	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	9		10		11		12		13		14								
		Time	1	2	1	2	1	2	1	2	1	2	3								
50151	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50152	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50153	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50154	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50155	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50156	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50157	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50158	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50159	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50160	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50161	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50162	No abnormality		-	-	-	-	-	-	-	-	-	-	-								

1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical signs Sex : Female		Period : Administration Day 1-17 Dose : TPGME 100 mg/kg Species : Rat																		
Animal No.	Clinical signs	Day	1		2		3		4		5		6		7		8		9	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50251	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50252	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50253	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50254	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50255	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50256	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50257	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50258	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50259	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50260	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50261	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50262	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	10		11		12		13		14		15		16		17			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		
50251	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50252	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50253	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50254	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50255	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50256	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50257	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50258	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50259	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50260	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50261	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50262	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female		Period : Gestation Day 0-22 Dose : TPGME 100 mg/kg Species : Rat																		
Animal No.	Clinical signs	Day	0		1		2		3		4		5		6		7		8	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50251	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50252	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50253	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50254	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50255	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50256	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50257	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50258	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50259	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50260	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50261	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50262	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	9		10		11		12		13		14		15		16		17	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50251	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50252	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50253	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50254	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50255	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50256	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50257	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50258	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50259	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50260	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50261	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50262	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	18		19		20		21		22									
		Time	1	2	1	2	1	2	1	2	1	2								
50251	No abnormality		-	-	-	-	-	-	-	-	-									
50252	No abnormality		-	-	-	-	-	-	-	-	-									
50253	No abnormality		-	-	-	-	-	-	-	-	-									
50254	No abnormality		-	-	-	-	-	-	-	-	-									
50255	No abnormality		-	-	-	-	-	-	-	-	-									
50256	No abnormality		-	-	-	-	-	-	-	-	-									
50257	No abnormality		-	-	-	-	-	-	-	-	-									
50258	No abnormality		-	-	-	-	-	-	-	-	-									
50259	No abnormality		-	-	-	-	-	-	-	-	-									
50260	No abnormality		-	-	-	-	-	-	-	-	-									
50261	No abnormality		-	-	-	-	-	-	-	-	-									
50262	No abnormality		-	-	-	-	-	-	-	-	-									

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female		Period : Lactation Day 0-14 Dose : TPGME 100 mg/kg																Species : Rat			
Animal No.	Clinical signs	Day	0		1		2		3		4		5		6		7		8		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50251	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50252	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50253	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50254	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50255	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50256	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50257	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50258	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50259	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50260	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50261	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50262	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	9		10		11		12		13		14								
		Time	1	2	1	2	1	2	1	2	1	2	3								
50251	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50252	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50253	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50254	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50255	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50256	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50257	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50258	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50259	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50260	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50261	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50262	No abnormality		-	-	-	-	-	-	-	-	-	-	-								

1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical signs Sex : Female		Period : Administration Day 1-17 Dose : TPGME 300 mg/kg																Species : Rat			
Animal No.	Clinical signs	Day	1		2		3		4		5		6		7		8		9		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50351	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50352	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50353	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50354	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50355	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50356	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50357	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50358	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50359	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50360	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50361	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50362	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	10		11		12		13		14		15		16		17				
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2			
50351	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50352	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50353	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50354	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50355	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50356	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50357	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50358	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50359	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50360	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50361	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50362	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female		Period : Gestation Day 0-22 Dose : TPGME 300 mg/kg Species : Rat																		
Animal No.	Clinical signs	Day	0		1		2		3		4		5		6		7		8	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50351	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50352	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50353	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50354	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50355	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50356	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50357	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50358	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50359	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50360	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50361	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50362	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	9		10		11		12		13		14		15		16		17	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50351	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50352	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50353	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50354	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50355	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50356	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50357	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50358	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50359	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50360	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50361	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50362	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	18		19		20		21		22									
		Time	1	2	1	2	1	2	1	2	1	2								
50351	No abnormality		-	-	-	-	-	-	-	-	-									
50352	No abnormality		-	-	-	-	-	-	-	-	-									
50353	No abnormality		-	-	-	-	-	-	-	-	-									
50354	No abnormality		-	-	-	-	-	-	-	-	-									
50355	No abnormality		-	-	-	-	-	-	-	-	-									
50356	No abnormality		-	-	-	-	-	-	-	-	-									
50357	No abnormality		-	-	-	-	-	-	-	-	-									
50358	No abnormality		-	-	-	-	-	-	-	-	-									
50359	No abnormality		-	-	-	-	-	-	-	-	-									
50360	No abnormality		-	-	-	-	-	-	-	-	-									
50361	No abnormality		-	-	-	-	-	-	-	-	-									
50362	No abnormality		-	-	-	-	-	-	-	-	-									

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female		Period : Lactation Day 0-14 Dose : TPGME 300 mg/kg																Species : Rat			
Animal No.	Clinical signs	Day	0		1		2		3		4		5		6		7		8		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50351	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50352	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50353	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50354	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50355	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50356	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50357	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50358	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50359	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50360	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50361	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50362	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	9		10		11		12		13		14								
		Time	1	2	1	2	1	2	1	2	1	2	3								
50351	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50352	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50353	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50354	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50355	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50356	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50357	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50358	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50359	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50360	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50361	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50362	No abnormality		-	-	-	-	-	-	-	-	-	-	-								

1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical signs Sex : Female		Period : Administration Day 1-17 Dose : TPGME 1000 mg/kg Species : Rat																		
Animal No.	Clinical signs	Day	1		2		3		4		5		6		7		8		9	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50451	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50452	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50453	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50454	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50455	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50456	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50457	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50458	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50459	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50460	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50461	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50462	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	10		11		12		13		14		15		16		17			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		
50451	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50452	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50453	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50454	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50455	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50456	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50457	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50458	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50459	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50460	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50461	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50462	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female		Period : Gestation Day 0-26 Dose : TPGME 1000 mg/kg Species : Rat																		
Animal No.	Clinical signs	Day	0		1		2		3		4		5		6		7		8	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50451	No abnormality		-	-	-	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-
50452	Staggering gait		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50453	No abnormality		-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
50454	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50455	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50456	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50457	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50458	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50459	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50460	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50461	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50462	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	9		10		11		12		13		14		15		16		17	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50451	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50452	Staggering gait		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50453	No abnormality		-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
50454	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50455	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50456	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50457	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50458	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50459	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50460	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50461	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50462	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	18		19		20		21		22		23		24		25		26	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	3	
50451	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50452	Staggering gait		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50453	No abnormality		-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$
50454	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50455	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50456	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50457	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50458	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50459	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50460	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50461	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50462	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1 : Before dosng, 2 : After dosing, 3 : Necropsy day

\$: Excepted data from calculation (non-pregnancy)

Clinical signs Sex : Female		Period : Lactation Day 0-14 Dose : TPGME 1000 mg/kg Species : Rat																			
Animal No.	Clinical signs	Day	0		1		2		3		4		5		6		7		8		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50451	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50452	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50454	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50455	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50456	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50457	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50458	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50459	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50460	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50461	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50462	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	9		10		11		12		13		14								
		Time	1	2	1	2	1	2	1	2	1	2	3								
50451	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50452	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50454	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50455	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50456	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50457	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50458	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50459	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50460	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50461	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50462	No abnormality		-	-	-	-	-	-	-	-	-	-	-								

1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical signs Sex : Female (satellite)		Period : Administration Day 1-14 Dose : TPGME 0 mg/kg														Species : Rat				
Animal No.	Clinical signs	Day	1		2		3		4		5		6		7		8		9	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50551	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50552	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50553	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50554	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50555	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50556	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50557	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50558	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50559	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50560	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	10		11		12		13		14									
		Time	1	2	1	2	1	2	1	2	1	2								
50551	No abnormality		-	-	-	-	-	-	-	-	-	-								
50552	No abnormality		-	-	-	-	-	-	-	-	-	-								
50553	No abnormality		-	-	-	-	-	-	-	-	-	-								
50554	No abnormality		-	-	-	-	-	-	-	-	-	-								
50555	No abnormality		-	-	-	-	-	-	-	-	-	-								
50556	No abnormality		-	-	-	-	-	-	-	-	-	-								
50557	No abnormality		-	-	-	-	-	-	-	-	-	-								
50558	No abnormality		-	-	-	-	-	-	-	-	-	-								
50559	No abnormality		-	-	-	-	-	-	-	-	-	-								
50560	No abnormality		-	-	-	-	-	-	-	-	-	-								

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female (satellite)		Period : Administration Day 15-29 Dose : TPGME 0 mg/kg												Species : Rat							
Animal No.	Clinical signs	Day	15		16		17		18		19		20		21		22		23		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50551	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50552	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50553	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50554	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50555	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50556	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50557	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50558	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50559	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50560	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	24		25		26		27		28		29								
		Time	1	2	1	2	1	2	1	2	1	2	3								
50551	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50552	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50553	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50554	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50555	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50556	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50557	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50558	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50559	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50560	No abnormality		-	-	-	-	-	-	-	-	-	-	-								

1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical signs Sex : Female (satellite)		Period : Administration Day 1-14 Dose : TPGME 1000 mg/kg														Species : Rat				
Animal No.	Clinical signs	Day	1		2		3		4		5		6		7		8		9	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50651	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50652	Staggering gait		-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-
50653	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50654	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50655	Decrease in locomotor activity		-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-	-	-
50656	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50657	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50658	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50659	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50660	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Animal No.	Clinical signs	Day	10		11		12		13		14	
		Time	1	2	1	2	1	2	1	2	1	2
50651	No abnormality		-	-	-	-	-	-	-	-	-	-
50652	Staggering gait		-	-	-	-	-	-	-	-	-	-
50653	No abnormality		-	-	-	-	-	-	-	-	-	-
50654	No abnormality		-	-	-	-	-	-	-	-	-	-
50655	Decrease in locomotor activity		-	-	-	-	-	-	-	-	-	-
50656	No abnormality		-	-	-	-	-	-	-	-	-	-
50657	No abnormality		-	-	-	-	-	-	-	-	-	-
50658	No abnormality		-	-	-	-	-	-	-	-	-	-
50659	No abnormality		-	-	-	-	-	-	-	-	-	-
50660	No abnormality		-	-	-	-	-	-	-	-	-	-

1 : Before dosing, 2 : After dosing

1 : Before dosing, 2 : After dosing

Clinical signs Sex : Female (satellite)		Period : Administration Day 15-29 Dose : TPGME 1000 mg/kg												Species : Rat						
Animal No.	Clinical signs	Day	15		16		17		18		19		20		21		22		23	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50651	Staggering gait		-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-	-
50652	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50653	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50654	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50655	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50656	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50657	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50658	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50659	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50660	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	24		25		26		27		28		29							
		Time	1	2	1	2	1	2	1	2	1	2	3							
50651	Staggering gait		-	-	-	-	-	+	-	-	-	-	-							
50652	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
50653	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
50654	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
50655	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
50656	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
50657	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
50658	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
50659	No abnormality		-	-	-	-	-	-	-	-	-	-	-							
50660	No abnormality		-	-	-	-	-	-	-	-	-	-	-							

1 : Before dosing, 2 : After dosing, 3 : Necropsy day

Clinical signs		Period : Recovery Day 1-15										Species : Rat									
Sex : Male		Dose : TPGME 0 mg/kg																			
Animal No.	Clinical signs	Day	1		2		3		4		5		6		7		8		9		
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
10102	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10103	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10109	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10110	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10112	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	10		11		12		13		14		15								
		Time	1	2	1	2	1	2	1	2	1	2	3								
10102	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10103	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10109	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10110	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
10112	No abnormality		-	-	-	-	-	-	-	-	-	-	-								

1 : AM, 2 : PM, 3 : Necropsy day

Clinical signs Sex : Male		Period : Recovery Day 1-15 Dose : TPGME 1000 mg/kg												Species : Rat					
Animal No.	Clinical signs	Day	1	2		3		4		5		6		7		8		9	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
10402	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10404	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10405	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10406	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10409	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Animal No.	Clinical signs	Day	10	11		12		13		14		15							
		Time	1	2	1	2	1	2	1	2	1	2	3						
10402	No abnormality		-	-	-	-	-	-	-	-	-	-							
10404	No abnormality		-	-	-	-	-	-	-	-	-	-							
10405	No abnormality		-	-	-	-	-	-	-	-	-	-							
10406	No abnormality		-	-	-	-	-	-	-	-	-	-							
10409	No abnormality		-	-	-	-	-	-	-	-	-	-							

1 : AM, 2 : PM, 3 : Necropsy day

Clinical signs Sex : Female (satellite)		Period : Recovery Day 1-15 Dose : TPGME 0 mg/kg										Species : Rat									
Animal No.	Clinical signs	Day	1	2		3		4		5		6		7		8		9			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
50556	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50557	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50558	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50559	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
50560	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Animal No.	Clinical signs	Day	10	11		12		13		14		15									
		Time	1	2	1	2	1	2	1	2	1	2	3								
50556	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50557	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50558	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50559	No abnormality		-	-	-	-	-	-	-	-	-	-	-								
50560	No abnormality		-	-	-	-	-	-	-	-	-	-	-								

1 : AM, 2 : PM, 3 : Necropsy day

Clinical signs Sex : Female (satellite)		Period : Recovery Day 1-15 Dose : TPGME 1000 mg/kg										Species : Rat										
Animal No.	Clinical signs	Day	1		2		3		4		5		6		7		8		9			
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2		
50656	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50657	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50658	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50659	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
50660	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Animal No.	Clinical signs	Day	10		11		12		13		14		15									
		Time	1	2	1	2	1	2	1	2	1	2	1	2	3							
50656	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-								
50657	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-								
50658	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-								
50659	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-								
50660	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-								

1 : AM, 2 : PM, 3 : Necropsy day

Detailed clinical observation (in the cage)			Stage : Pre		Species : Rat	
Sex : Male			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10101	1	1	1	0	0	1
10102	1	1	1	0	0	1
10103	1	1	1	0	0	1
10104	1	1	1	0	0	1
10105	1	1	1	0	0	1
10106	1	1	1	0	0	1
10107	1	1	1	0	0	1
10108	1	1	1	0	0	1
10109	1	1	1	0	0	1
10110	1	1	1	0	0	1
10111	1	1	1	0	0	1
10112	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)		Stage : Pre		Species : Rat	
	Sex : Male		Dose : TPGME 100 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10201	1	1	1	0	0	1
10202	1	1	1	0	0	1
10203	1	1	1	0	0	1
10204	1	1	1	0	0	1
10205	1	1	1	0	0	1
10206	1	1	1	0	0	1
10207	1	1	1	0	0	1
10208	1	1	1	0	0	1
10209	1	1	1	0	0	1
10210	1	1	1	0	0	1
10211	1	1	1	0	0	1
10212	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Pre		Species : Rat	
Sex : Male			Dose : TPGME 300 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10301	1	1	1	0	0	1
10302	1	1	1	0	0	1
10303	1	1	1	0	0	1
10304	1	1	1	0	0	1
10305	1	1	1	0	0	1
10306	1	1	1	0	0	1
10307	1	1	1	0	0	1
10308	1	1	1	0	0	1
10309	1	1	1	0	0	1
10310	1	1	1	0	0	1
10311	1	1	1	0	0	1
10312	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)		Stage : Pre		Species : Rat	
	Sex : Male		Dose : TPGME 1000 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10401	1	1	1	0	0	1
10402	1	1	1	0	0	1
10403	1	1	1	0	0	1
10404	1	1	1	0	0	1
10405	1	1	1	0	0	1
10406	1	1	1	0	0	1
10407	1	1	1	0	0	1
10408	1	1	1	0	0	1
10409	1	1	1	0	0	1
10410	1	1	1	0	0	1
10411	1	1	1	0	0	1
10412	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 7		Species : Rat	
Sex : Male			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10101	1	1	1	0	0	1
10102	1	1	1	0	0	1
10103	1	1	1	0	0	1
10104	1	1	1	0	0	1
10105	1	1	1	0	0	1
10106	1	1	1	0	0	1
10107	1	1	1	0	0	1
10108	1	1	1	0	0	1
10109	1	1	1	0	0	1
10110	1	1	1	0	0	1
10111	1	1	1	0	0	1
10112	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 7		Species : Rat	
Sex : Male			Dose : TPGME 100 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10201	1	1	1	0	0	1
10202	1	1	1	0	0	1
10203	1	1	1	0	0	1
10204	1	1	1	0	0	1
10205	1	1	1	0	0	1
10206	1	1	1	0	0	1
10207	1	1	1	0	0	1
10208	1	1	1	0	0	1
10209	1	1	1	0	0	1
10210	1	1	1	0	0	1
10211	1	1	1	0	0	1
10212	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 7		Species : Rat	
Sex : Male			Dose : TPGME 300 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10301	1	1	1	0	0	1
10302	1	1	1	0	0	1
10303	1	1	1	0	0	1
10304	1	1	1	0	0	1
10305	1	1	1	0	0	1
10306	1	1	1	0	0	1
10307	1	1	1	0	0	1
10308	1	1	1	0	0	1
10309	1	1	1	0	0	1
10310	1	1	1	0	0	1
10311	1	1	1	0	0	1
10312	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 7		Species : Rat	
Sex : Male			Dose : TPGME 1000 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
10401	1	1	1	0	0	1
10402	1	1	1	0	0	1
10403	1	1	1	0	0	1
10404	1	1	1	0	0	1
10405	1	1	1	0	0	1
10406	1	1	1	0	0	1
10407	1	1	1	0	0	1
10408	1	1	1	0	0	1
10409	1	1	1	0	0	1
10410	1	1	1	0	0	1
10411	1	1	1	0	0	1
10412	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 14		Species : Rat	
Sex : Male			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10101	1	1	1	0	0	1
10102	1	1	1	0	0	1
10103	1	1	1	0	0	1
10104	1	1	1	0	0	1
10105	1	1	1	0	0	1
10106	1	1	1	0	0	1
10107	1	1	1	0	0	1
10108	1	1	1	0	0	1
10109	1	1	1	0	0	1
10110	1	1	1	0	0	1
10111	1	1	1	0	0	1
10112	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 14		Species : Rat	
Sex : Male			Dose : TPGME 100 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10201	1	1	1	0	0	1
10202	1	1	1	0	0	1
10203	1	1	1	0	0	1
10204	1	1	1	0	0	1
10205	1	1	1	0	0	1
10206	1	1	1	0	0	1
10207	1	1	1	0	0	1
10208	1	1	1	0	0	1
10209	1	1	1	0	0	1
10210	1	1	1	0	0	1
10211	1	1	1	0	0	1
10212	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 14			Species : Rat	
Sex : Male			Dose : TPGME 300 mg/kg				
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
10301	1	1	1	0	0	1	
10302	1	1	1	0	0	1	
10303	1	1	1	0	0	1	
10304	1	1	1	0	0	1	
10305	1	1	1	0	0	1	
10306	1	1	1	0	0	1	
10307	1	1	1	0	0	1	
10308	1	1	1	0	0	1	
10309	1	1	1	0	0	1	
10310	1	1	1	0	0	1	
10311	1	1	1	0	0	1	
10312	1	1	1	0	0	1	
n	12	12	12	12	12	12	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 14		Species : Rat	
Sex : Male			Dose : TPGME 1000 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
10401	1	1	1	0	0	1
10402	1	1	1	0	0	1
10403	1	1	1	0	0	1
10404	1	1	1	0	0	1
10405	1	1	1	0	0	1
10406	1	1	1	0	0	1
10407	1	1	1	0	0	1
10408	1	1	1	0	0	1
10409	1	1	1	0	0	1
10410	1	1	1	0	0	1
10411	1	1	1	0	0	1
10412	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 21		Species : Rat	
Sex : Male			Dose : TPGME 0 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
10101	1	1	1	0	0	1
10102	1	1	1	0	0	1
10103	1	1	1	0	0	1
10104	1	1	1	0	0	1
10105	1	1	1	0	0	1
10106	1	1	1	0	0	1
10107	1	1	1	0	0	1
10108	1	1	1	0	0	1
10109	1	1	1	0	0	1
10110	1	1	1	0	0	1
10111	1	1	1	0	0	1
10112	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 21		Species : Rat	
Sex : Male			Dose : TPGME 100 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10201	1	1	1	0	0	1
10202	1	1	1	0	0	1
10203	1	1	1	0	0	1
10204	1	1	1	0	0	1
10205	1	1	1	0	0	1
10206	1	1	1	0	0	1
10207	1	1	1	0	0	1
10208	1	1	1	0	0	1
10209	1	1	1	0	0	1
10210	1	1	1	0	0	1
10211	1	1	1	0	0	1
10212	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 21			Species : Rat	
Sex : Male			Dose : TPGME 300 mg/kg				
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
10301	1	1	1	0	0	1	
10302	1	1	1	0	0	1	
10303	1	1	1	0	0	1	
10304	1	1	1	0	0	1	
10305	1	1	1	0	0	1	
10306	1	1	1	0	0	1	
10307	1	1	1	0	0	1	
10308	1	1	1	0	0	1	
10309	1	1	1	0	0	1	
10310	1	1	1	0	0	1	
10311	1	1	1	0	0	1	
10312	1	1	1	0	0	1	
n	12	12	12	12	12	12	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 21		Species : Rat	
Sex : Male			Dose : TPGME 1000 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
10401	1	1	1	0	0	1
10402	1	1	1	0	0	1
10403	1	1	1	0	0	1
10404	1	1	1	0	0	1
10405	1	1	1	0	0	1
10406	1	1	1	0	0	1
10407	1	1	1	0	0	1
10408	1	1	1	0	0	1
10409	1	1	1	0	0	1
10410	1	1	1	0	0	1
10411	1	1	1	0	0	1
10412	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 28			Species : Rat	
Sex : Male			Dose : TPGME 0 mg/kg				
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
10101	1	1	1	0	0	1	
10102	1	1	1	0	0	1	
10103	1	1	1	0	0	1	
10104	1	1	1	0	0	1	
10105	1	1	1	0	0	1	
10106	1	1	1	0	0	1	
10107	1	1	1	0	0	1	
10108	1	1	1	0	0	1	
10109	1	1	1	0	0	1	
10110	1	1	1	0	0	1	
10111	1	1	1	0	0	1	
10112	1	1	1	0	0	1	
n	12	12	12	12	12	12	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 28		Species : Rat	
Sex : Male			Dose : TPGME 100 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
10201	1	1	1	0	0	1
10202	1	1	1	0	0	1
10203	1	1	1	0	0	1
10204	1	1	1	0	0	1
10205	1	1	1	0	0	1
10206	1	1	1	0	0	1
10207	1	1	1	0	0	1
10208	1	1	1	0	0	1
10209	1	1	1	0	0	1
10210	1	1	1	0	0	1
10211	1	1	1	0	0	1
10212	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 28			Species : Rat	
Sex : Male			Dose : TPGME 300 mg/kg				
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
10301	1	1	1	0	0	1	
10302	1	1	1	0	0	1	
10303	1	1	1	0	0	1	
10304	1	1	1	0	0	1	
10305	1	1	1	0	0	1	
10306	1	1	1	0	0	1	
10307	1	1	1	0	0	1	
10308	1	1	1	0	0	1	
10309	1	1	1	0	0	1	
10310	1	1	1	0	0	1	
10311	1	1	1	0	0	1	
10312	1	1	1	0	0	1	
n	12	12	12	12	12	12	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 28		Species : Rat	
Sex : Male			Dose : TPGME 1000 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
10401	1	1	1	0	0	1
10402	1	1	1	0	0	1
10403	1	1	1	0	0	1
10404	1	1	1	0	0	1
10405	1	1	1	0	0	1
10406	1	1	1	0	0	1
10407	1	1	1	0	0	1
10408	1	1	1	0	0	1
10409	1	1	1	0	0	1
10410	1	1	1	0	0	1
10411	1	1	1	0	0	1
10412	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Pre		Species : Rat	
Sex : Female			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50151	1	1	1	0	0	1
50152	1	1	1	0	0	1
50153	1	1	1	0	0	1
50154	1	1	1	0	0	1
50155	1	1	1	0	0	1
50156	1	1	1	0	0	1
50157	1	1	1	0	0	1
50158	1	1	1	0	0	1
50159	1	1	1	0	0	1
50160	1	1	1	0	0	1
50161	1	1	1	0	0	1
50162	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Pre		Species : Rat	
Sex : Female			Dose : TPGME 100 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50251	1	1	1	0	0	1
50252	1	1	1	0	0	1
50253	1	1	1	0	0	1
50254	1	1	1	0	0	1
50255	1	1	1	0	0	1
50256	1	1	1	0	0	1
50257	1	1	1	0	0	1
50258	1	1	1	0	0	1
50259	1	1	1	0	0	1
50260	1	1	1	0	0	1
50261	1	1	1	0	0	1
50262	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Animal No.	Detailed clinical observation (in the cage)						Species : Rat
	Sex : Female	Stage : Pre	Dose : TPGME 300 mg/kg				
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
50351	1	1	1	0	0	1	
50352	1	1	1	0	0	1	
50353	1	1	1	0	0	1	
50354	1	1	1	0	0	1	
50355	1	1	1	0	0	1	
50356	1	1	1	0	0	1	
50357	1	1	1	0	0	1	
50358	1	1	1	0	0	1	
50359	1	1	1	0	0	1	
50360	1	1	1	0	0	1	
50361	1	1	1	0	0	1	
50362	1	1	1	0	0	1	
n	12	12	12	12	12	12	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Pre		Species : Rat	
Sex : Female			Dose : TPGME 1000 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50451	1	1	1	0	0	1
50452	1	1	1	0	0	1
50453	1	1	1	0	0	1
50454	1	1	1	0	0	1
50455	1	1	1	0	0	1
50456	1	1	1	0	0	1
50457	1	1	1	0	0	1
50458	1	1	1	0	0	1
50459	1	1	1	0	0	1
50460	1	1	1	0	0	1
50461	1	1	1	0	0	1
50462	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 7		Species : Rat	
Sex : Female			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50151	1	1	1	0	0	1
50152	1	1	1	0	0	1
50153	1	1	1	0	0	1
50154	1	1	1	0	0	1
50155	1	1	1	0	0	1
50156	1	1	1	0	0	1
50157	1	1	1	0	0	1
50158	1	1	1	0	0	1
50159	1	1	1	0	0	1
50160	1	1	1	0	0	1
50161	1	1	1	0	0	1
50162	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 7		Species : Rat	
Sex : Female			Dose : TPGME 100 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50251	1	1	1	0	0	1
50252	1	1	1	0	0	1
50253	1	1	1	0	0	1
50254	1	1	1	0	0	1
50255	1	1	1	0	0	1
50256	1	1	1	0	0	1
50257	1	1	1	0	0	1
50258	1	1	1	0	0	1
50259	1	1	1	0	0	1
50260	1	1	1	0	0	1
50261	1	1	1	0	0	1
50262	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 7		Species : Rat	
Sex : Female			Dose : TPGME 300 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50351	1	1	1	0	0	1
50352	1	1	1	0	0	1
50353	1	1	1	0	0	1
50354	1	1	1	0	0	1
50355	1	1	1	0	0	1
50356	1	1	1	0	0	1
50357	1	1	1	0	0	1
50358	1	1	1	0	0	1
50359	1	1	1	0	0	1
50360	1	1	1	0	0	1
50361	1	1	1	0	0	1
50362	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 7		Species : Rat	
Sex : Female			Dose : TPGME 1000 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50451	1	1	1	0	0	1
50452	1	1	1	0	0	1
50453	1	1	1	0	0	1
50454	1	1	1	0	0	1
50455	1	1	1	0	0	1
50456	1	1	1	0	0	1
50457	1	1	1	0	0	1
50458	1	1	1	0	0	1
50459	1	1	1	0	0	1
50460	1	1	1	0	0	1
50461	1	1	1	0	0	1
50462	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 14		Species : Rat	
Sex : Female			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50151	1	1	1	0	0	1
50152	1	1	1	0	0	1
50153	1	1	1	0	0	1
50154	1	1	1	0	0	1
50155	1	1	1	0	0	1
50156	1	1	1	0	0	1
50157	1	1	1	0	0	1
50158	1	1	1	0	0	1
50159	1	1	1	0	0	1
50160	1	1	1	0	0	1
50161	1	1	1	0	0	1
50162	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 14		Species : Rat	
Sex : Female			Dose : TPGME 100 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50251	1	1	1	0	0	1
50252	1	1	1	0	0	1
50253	1	1	1	0	0	1
50254	1	1	1	0	0	1
50255	1	1	1	0	0	1
50256	1	1	1	0	0	1
50257	1	1	1	0	0	1
50258	1	1	1	0	0	1
50259	1	1	1	0	0	1
50260	1	1	1	0	0	1
50261	1	1	1	0	0	1
50262	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 14		Species : Rat	
Sex : Female			Dose : TPGME 300 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50351	1	1	1	0	0	1
50352	1	1	1	0	0	1
50353	1	1	1	0	0	1
50354	1	1	1	0	0	1
50355	1	1	1	0	0	1
50356	1	1	1	0	0	1
50357	1	1	1	0	0	1
50358	1	1	1	0	0	1
50359	1	1	1	0	0	1
50360	1	1	1	0	0	1
50361	1	1	1	0	0	1
50362	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 14		Dose : TPGME 1000 mg/kg		Species : Rat
Sex : Female							
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
50451	1	1	1	0	0	1	
50452	1	1	1	0	0	1	
50453	1	1	1	0	0	1	
50454	1	1	1	0	0	1	
50455	1	1	1	0	0	1	
50456	1	1	1	0	0	1	
50457	1	1	1	0	0	1	
50458	1	1	1	0	0	1	
50459	1	1	1	0	0	1	
50460	1	1	1	0	0	1	
50461	1	1	1	0	0	1	
50462	1	1	1	0	0	1	
n	12	12	12	12	12	12	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 21		Species : Rat	
Sex : Female			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50151	1	1	1	0	0	1
50152	1	1	1	0	0	1
50153	1	1	1	0	0	1
50154	1	1	1	0	0	1
50155	1	1	1	0	0	1
50156	1	1	1	0	0	1
50157	1	1	1	0	0	1
50158	1	1	1	0	0	1
50159	1	1	1	0	0	1
50160	1	1	1	0	0	1
50161	1	1	1	0	0	1
50162	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 21		Species : Rat	
Sex : Female			Dose : TPGME 100 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50251	1	1	1	0	0	1
50252	1	1	1	0	0	1
50253	1	1	1	0	0	1
50254	1	1	1	0	0	1
50255	1	1	1	0	0	1
50256	1	1	1	0	0	1
50257	1	1	1	0	0	1
50258	1	1	1	0	0	1
50259	1	1	1	0	0	1
50260	1	1	1	0	0	1
50261	1	1	1	0	0	1
50262	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 21		Species : Rat	
Sex : Female			Dose : TPGME 300 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50351	1	1	1	0	0	1
50352	1	1	1	0	0	1
50353	1	1	1	0	0	1
50354	1	1	1	0	0	1
50355	1	1	1	0	0	1
50356	1	1	1	0	0	1
50357	1	1	1	0	0	1
50358	1	1	1	0	0	1
50359	1	1	1	0	0	1
50360	1	1	1	0	0	1
50361	1	1	1	0	0	1
50362	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 21		Dose : TPGME 1000 mg/kg		Species : Rat
Sex : Female							
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
50451	1	1	1	0	0	1	
50452	1	1	1	0	0	1	
50453	1	1	1	0	0	1	
50454	1	1	1	0	0	1	
50455	1	1	1	0	0	1	
50456	1	1	1	0	0	1	
50457	1	1	1	0	0	1	
50458	1	1	1	0	0	1	
50459	1	1	1	0	0	1	
50460	1	1	1	0	0	1	
50461	1	1	1	0	0	1	
50462	1	1	1	0	0	1	
n	12	12	12	12	12	12	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 28		Species : Rat	
Sex : Female			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50151	1	1	1	0	0	1
50152	1	1	1	0	0	1
50153	1	1	1	0	0	1
50154	1	1	1	0	0	1
50155	1	1	1	0	0	1
50156	1	1	1	0	0	1
50157	1	1	1	0	0	1
50158	1	1	1	0	0	1
50159	1	1	1	0	0	1
50160	1	1	1	0	0	1
50161	1	1	1	0	0	1
50162	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 28		Species : Rat	
Sex : Female			Dose : TPGME 100 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50251	1	1	1	0	0	1
50252	1	1	1	0	0	1
50253	1	1	1	0	0	1
50254	1	1	1	0	0	1
50255	1	1	1	0	0	1
50256	1	1	1	0	0	1
50257	1	1	1	0	0	1
50258	1	1	1	0	0	1
50259	1	1	1	0	0	1
50260	1	1	1	0	0	1
50261	1	1	1	0	0	1
50262	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 28		Species : Rat	
Sex : Female			Dose : TPGME 300 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50351	1	1	1	0	0	1
50352	1	1	1	0	0	1
50353	1	1	1	0	0	1
50354	1	1	1	0	0	1
50355	1	1	1	0	0	1
50356	1	1	1	0	0	1
50357	1	1	1	0	0	1
50358	1	1	1	0	0	1
50359	1	1	1	0	0	1
50360	1	1	1	0	0	1
50361	1	1	1	0	0	1
50362	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 28		Species : Rat	
Sex : Female			Dose : TPGME 1000 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50451	1	1	1	0	0	1
50452	1	1	1	0	0	1
50453	1	1	1	0	0	1
50454	1	1	1	0	0	1
50455	1	1	1	0	0	1
50456	1	1	1	0	0	1
50457	1	1	1	0	0	1
50458	1	1	1	0	0	1
50459	1	1	1	0	0	1
50460	1	1	1	0	0	1
50461	1	1	1	0	0	1
50462	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 35		Species : Rat	
Sex : Female			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50151	1	1	1	0	0	1
50152	1	1	1	0	0	1
50153	1	1	1	0	0	1
50154	1	1	1	0	0	1
50155	1	1	1	0	0	1
50156	1	1	1	0	0	1
50157	1	1	1	0	0	1
50158	1	1	1	0	0	1
50159	1	1	1	0	0	1
50160	1	1	1	0	0	1
50161	1	1	1	0	0	1
50162	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 35		Species : Rat	
Sex : Female			Dose : TPGME 100 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50251	1	1	1	0	0	1
50252	1	1	1	0	0	1
50253	1	1	1	0	0	1
50254	1	1	1	0	0	1
50255	1	1	1	0	0	1
50256	1	1	1	0	0	1
50257	1	1	1	0	0	1
50258	1	1	1	0	0	1
50259	1	1	1	0	0	1
50260	1	1	1	0	0	1
50261	1	1	1	0	0	1
50262	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 35		Species : Rat	
Sex : Female			Dose : TPGME 300 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50351	1	1	1	0	0	1
50352	1	1	1	0	0	1
50353	1	1	1	0	0	1
50354	1	1	1	0	0	1
50355	1	1	1	0	0	1
50356	1	1	1	0	0	1
50357	1	1	1	0	0	1
50358	1	1	1	0	0	1
50359	1	1	1	0	0	1
50360	1	1	1	0	0	1
50361	1	1	1	0	0	1
50362	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 35		Species : Rat	
Sex : Female			Dose : TPGME 1000 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50451	1	1	1	0	0	1
50452	1	1	1	0	0	1
50453	1	1	1	0	0	1
50454	1	1	1	0	0	1
50455	1	1	1	0	0	1
50456	1	1	1	0	0	1
50457	1	1	1	0	0	1
50458	1	1	1	0	0	1
50459	1	1	1	0	0	1
50460	1	1	1	0	0	1
50461	1	1	1	0	0	1
50462	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 42		Species : Rat	
Sex : Female			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50151	1	1	1	0	0	1
50152	1	1	1	0	0	1
50153	1	1	1	0	0	1
50154	1	1	1	0	0	1
50155	1	1	1	0	0	1
50156	1	1	1	0	0	1
50157	1	1	1	0	0	1
50158	1	1	1	0	0	1
50159	1	1	1	0	0	1
50160	1	1	1	0	0	1
50161	1	1	1	0	0	1
50162	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 42		Species : Rat	
Sex : Female			Dose : TPGME 100 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50251	1	1	1	0	0	1
50252	1	1	1	0	0	1
50253	1	1	1	0	0	1
50254	1	1	1	0	0	1
50255	1	1	1	0	0	1
50256	1	1	1	0	0	1
50257	1	1	1	0	0	1
50258	1	1	1	0	0	1
50259	1	1	1	0	0	1
50260	1	1	1	0	0	1
50261	1	1	1	0	0	1
50262	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 42		Species : Rat	
Sex : Female			Dose : TPGME 300 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50351	1	1	1	0	0	1
50352	1	1	1	0	0	1
50353	1	1	1	0	0	1
50354	1	1	1	0	0	1
50355	1	1	1	0	0	1
50356	1	1	1	0	0	1
50357	1	1	1	0	0	1
50358	1	1	1	0	0	1
50359	1	1	1	0	0	1
50360	1	1	1	0	0	1
50361	1	1	1	0	0	1
50362	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 42		Species : Rat	
Sex : Female			Dose : TPGME 1000 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50451	1	1	1	0	0	1
50452	1	1	1	0	0	1
50454	1	1	1	0	0	1
50455	1	1	1	0	0	1
50456	1	1	1	0	0	1
50457	1	1	1	0	0	1
50458	1	1	1	0	0	1
50459	1	1	1	0	0	1
50460	1	1	1	0	0	1
50461	1	1	1	0	0	1
50462	1	1	1	0	0	1
n	11	11	11	11	11	11

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 49		Species : Rat	
Sex : Female			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50151	1	1	1	0	0	1
50152	1	1	1	0	0	1
50153	1	1	1	0	0	1
50154	1	1	1	0	0	1
50155	1	1	1	0	0	1
50156	1	1	1	0	0	1
50157	1	1	1	0	0	1
50158	1	1	1	0	0	1
50159	1	1	1	0	0	1
50160	1	1	1	0	0	1
50161	1	1	1	0	0	1
50162	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 49		Species : Rat	
Sex : Female			Dose : TPGME 100 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50251	1	1	1	0	0	1
50252	1	1	1	0	0	1
50253	1	1	1	0	0	1
50254	1	1	1	0	0	1
50255	1	1	1	0	0	1
50256	1	1	1	0	0	1
50257	1	1	1	0	0	1
50258	1	1	1	0	0	1
50259	1	1	1	0	0	1
50260	1	1	1	0	0	1
50261	1	1	1	0	0	1
50262	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 49		Species : Rat	
Sex : Female			Dose : TPGME 300 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50351	1	1	1	0	0	1
50352	1	1	1	0	0	1
50353	1	1	1	0	0	1
50354	1	1	1	0	0	1
50355	1	1	1	0	0	1
50356	1	1	1	0	0	1
50357	1	1	1	0	0	1
50358	1	1	1	0	0	1
50359	1	1	1	0	0	1
50360	1	1	1	0	0	1
50361	1	1	1	0	0	1
50362	1	1	1	0	0	1
n	12	12	12	12	12	12

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 49		Dose : TPGME 1000 mg/kg		Species : Rat
Sex : Female							
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
50451	1	1	1	0	0	1	
50452	1	1	1	0	0	1	
50454	1	1	1	0	0	1	
50455	1	1	1	0	0	1	
50456	1	1	1	0	0	1	
50457	1	1	1	0	0	1	
50458	1	1	1	0	0	1	
50459	1	1	1	0	0	1	
50460	1	1	1	0	0	1	
50461	1	1	1	0	0	1	
50462	1	1	1	0	0	1	
n	11	11	11	11	11	11	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Pre		Species : Rat	
Sex : Female (satellite)			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50551	1	1	1	0	0	1
50552	1	1	1	0	0	1
50553	1	1	1	0	0	1
50554	1	1	1	0	0	1
50555	1	1	1	0	0	1
50556	1	1	1	0	0	1
50557	1	1	1	0	0	1
50558	1	1	1	0	0	1
50559	1	1	1	0	0	1
50560	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Pre		Species : Rat	
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50651	1	1	1	0	0	1
50652	1	1	1	0	0	1
50653	1	1	1	0	0	1
50654	1	1	1	0	0	1
50655	1	1	1	0	0	1
50656	1	1	1	0	0	1
50657	1	1	1	0	0	1
50658	1	1	1	0	0	1
50659	1	1	1	0	0	1
50660	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 7		Species : Rat	
Sex : Female (satellite)			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50551	1	1	1	0	0	1
50552	1	1	1	0	0	1
50553	1	1	1	0	0	1
50554	1	1	1	0	0	1
50555	1	1	1	0	0	1
50556	1	1	1	0	0	1
50557	1	1	1	0	0	1
50558	1	1	1	0	0	1
50559	1	1	1	0	0	1
50560	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 7		Species : Rat	
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
50651	1	1	1	0	0	1
50652	1	1	1	0	0	1
50653	1	1	1	0	0	1
50654	1	1	1	0	0	1
50655	1	1	1	0	0	1
50656	1	1	1	0	0	1
50657	1	1	1	0	0	1
50658	1	1	1	0	0	1
50659	1	1	1	0	0	1
50660	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 14		Species : Rat	
Sex : Female (satellite)			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50551	1	1	1	0	0	1
50552	1	1	1	0	0	1
50553	1	1	1	0	0	1
50554	1	1	1	0	0	1
50555	1	1	1	0	0	1
50556	1	1	1	0	0	1
50557	1	1	1	0	0	1
50558	1	1	1	0	0	1
50559	1	1	1	0	0	1
50560	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 14		Species : Rat	
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
50651	1	1	1	0	0	1
50652	1	1	1	0	0	1
50653	1	1	1	0	0	1
50654	1	1	1	0	0	1
50655	1	1	1	0	0	1
50656	1	1	1	0	0	1
50657	1	1	1	0	0	1
50658	1	1	1	0	0	1
50659	1	1	1	0	0	1
50660	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 21		Species : Rat	
Sex : Female (satellite)			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50551	1	1	1	0	0	1
50552	1	1	1	0	0	1
50553	1	1	1	0	0	1
50554	1	1	1	0	0	1
50555	1	1	1	0	0	1
50556	1	1	1	0	0	1
50557	1	1	1	0	0	1
50558	1	1	1	0	0	1
50559	1	1	1	0	0	1
50560	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 21			Species : Rat
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
50651	1	1	1	0	0	1
50652	1	1	1	0	0	1
50653	1	1	1	0	0	1
50654	1	1	1	0	0	1
50655	1	1	1	0	0	1
50656	1	1	1	0	0	1
50657	1	1	1	0	0	1
50658	1	1	1	0	0	1
50659	1	1	1	0	0	1
50660	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 28		Species : Rat	
Sex : Female (satellite)			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50551	1	1	1	0	0	1
50552	1	1	1	0	0	1
50553	1	1	1	0	0	1
50554	1	1	1	0	0	1
50555	1	1	1	0	0	1
50556	1	1	1	0	0	1
50557	1	1	1	0	0	1
50558	1	1	1	0	0	1
50559	1	1	1	0	0	1
50560	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Day 28		Species : Rat	
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
50651	1	1	1	0	0	1
50652	1	1	1	0	0	1
50653	1	1	1	0	0	1
50654	1	1	1	0	0	1
50655	1	1	1	0	0	1
50656	1	1	1	0	0	1
50657	1	1	1	0	0	1
50658	1	1	1	0	0	1
50659	1	1	1	0	0	1
50660	1	1	1	0	0	1
n	10	10	10	10	10	10

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataplectic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Recovery Day 7		Species : Rat	
Sex : Male			Dose : TPGME 0 mg/kg			
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10102	1	1	1	0	0	1
10103	1	1	1	0	0	1
10109	1	1	1	0	0	1
10110	1	1	1	0	0	1
10112	1	1	1	0	0	1
n	5	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)				Stage : Recovery Day 7		
Sex : Male				Dose : TPGME 1000 mg/kg		
				Species : Rat		
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
10402	1	1	1	0	0	1
10404	1	1	1	0	0	1
10405	1	1	1	0	0	1
10406	1	1	1	0	0	1
10409	1	1	1	0	0	1
n	5	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Recovery Day 14			Species : Rat	
Sex : Male			Dose : TPGME 0 mg/kg				
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
10102	1	1	1	0	0	1	
10103	1	1	1	0	0	1	
10109	1	1	1	0	0	1	
10110	1	1	1	0	0	1	
10112	1	1	1	0	0	1	
n	5	5	5	5	5	5	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)				Stage : Recovery Day 14		
Sex : Male				Dose : TPGME 1000 mg/kg		
				Species : Rat		
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
10402	1	1	1	0	0	1
10404	1	1	1	0	0	1
10405	1	1	1	0	0	1
10406	1	1	1	0	0	1
10409	1	1	1	0	0	1
n	5	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Recovery Day 7			
Sex : Female (satellite)			Dose : TPGME 0 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
50556	1	1	1	0	0	1
50557	1	1	1	0	0	1
50558	1	1	1	0	0	1
50559	1	1	1	0	0	1
50560	1	1	1	0	0	1
n	5	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Recovery Day 7			
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
50656	1	1	1	0	0	1
50657	1	1	1	0	0	1
50658	1	1	1	0	0	1
50659	1	1	1	0	0	1
50660	1	1	1	0	0	1
n	5	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Recovery Day 14			Species : Rat	
Sex : Female (satellite)			Dose : TPGME 0 mg/kg				
Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting	
50556	1	1	1	0	0	1	
50557	1	1	1	0	0	1	
50558	1	1	1	0	0	1	
50559	1	1	1	0	0	1	
50560	1	1	1	0	0	1	
n	5	5	5	5	5	5	

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (in the cage)			Stage : Recovery Day 14			
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg			
	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
Animal No.						
50656	1	1	1	0	0	1
50657	1	1	1	0	0	1
50658	1	1	1	0	0	1
50659	1	1	1	0	0	1
50660	1	1	1	0	0	1
n	5	5	5	5	5	5

Body position/Posture) 1;Normal (sitting, etc.), 2;Sleeping, 3;Crouching, 4;Prone, lateral, 5;Standing, jumping, 6;Cataleptic.

Respiratory pattern) 1;Normal, 2;Slightly abnormal,rapid or slow, 3;Moderately abnormal, difficult to breath, 4;Severe abnormal, labored, 5;Dyspnea.

Tremor/Convulsion) 1;Not present, 2;Irregularly only the legs, 3;Durable only the legs, 4;Clonic,systemic, 5;Tonic, systemic.

Stereotype/Rolling) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Repetitive circling) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Self biting) 1;Not present, 2;Present.

Detailed clinical observation (on the hand)		Stage : Pre		Species : Rat					
Sex : Male		Dose : TPGME 0 mg/kg							
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10101	1	1	2	1	1	1	0	1	
10102	1	1	2	1	1	1	0	1	
10103	1	1	2	1	1	1	0	1	
10104	1	1	2	1	1	1	0	1	
10105	1	1	2	1	1	1	0	1	
10106	1	1	2	1	1	1	0	1	
10107	1	1	2	1	1	1	0	1	
10108	1	1	2	1	1	1	0	1	
10109	1	1	2	1	1	1	0	1	
10110	1	1	2	1	1	1	0	1	
10111	1	1	2	1	1	1	0	1	
10112	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10101	1	1	1	0
10102	1	1	1	0
10103	1	1	1	0
10104	1	1	1	0
10105	1	1	1	0
10106	1	1	1	0
10107	1	1	1	0
10108	1	1	1	0
10109	1	1	1	0
10110	1	1	1	0
10111	1	1	1	0
10112	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Pre		Dose : TPGME 100 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10201	1	1	2	1	1	1	0	1	
10202	1	1	2	1	1	1	0	1	
10203	1	1	2	1	1	1	0	1	
10204	1	1	2	1	1	1	0	1	
10205	1	1	2	1	1	1	0	1	
10206	1	1	2	1	1	1	0	1	
10207	1	1	2	1	1	1	0	1	
10208	1	1	2	1	1	1	0	1	
10209	1	1	2	1	1	1	0	1	
10210	1	1	2	1	1	1	0	1	
10211	1	1	2	1	1	1	0	1	
10212	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10201	1	1	1	0
10202	1	1	1	0
10203	1	1	1	0
10204	1	1	1	0
10205	1	1	1	0
10206	1	1	1	0
10207	1	1	1	0
10208	1	1	1	0
10209	1	1	1	0
10210	1	1	1	0
10211	1	1	1	0
10212	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Pre		Dose : TPGME 300 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10301	1	1	2	1	1	1	0	1	
10302	1	1	2	1	1	1	0	1	
10303	1	1	2	1	1	1	0	1	
10304	1	1	2	1	1	1	0	1	
10305	1	1	2	1	1	1	0	1	
10306	1	1	2	1	1	1	0	1	
10307	1	1	2	1	1	1	0	1	
10308	1	1	2	1	1	1	0	1	
10309	1	1	2	1	1	1	0	1	
10310	1	1	2	1	1	1	0	1	
10311	1	1	2	1	1	1	0	1	
10312	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10301	1	1	1	0
10302	1	1	1	0
10303	1	1	1	0
10304	1	1	1	0
10305	1	1	1	0
10306	1	1	1	0
10307	1	1	1	0
10308	1	1	1	0
10309	1	1	1	0
10310	1	1	1	0
10311	1	1	1	0
10312	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)			Stage : Pre		Species : Rat			
Sex : Male			Dose : TPGME 1000 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10401	1	1	2	1	1	1	0	1
10402	1	1	2	1	1	1	0	1
10403	1	1	2	1	1	1	0	1
10404	1	1	2	1	1	1	0	1
10405	1	1	2	1	1	1	0	1
10406	1	1	2	1	1	1	0	1
10407	1	1	2	1	1	1	0	1
10408	1	1	2	1	1	1	0	1
10409	1	1	2	1	1	1	0	1
10410	1	1	2	1	1	1	0	1
10411	1	1	2	1	1	1	0	1
10412	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10401	1	1	1	0
10402	1	1	1	0
10403	1	1	1	0
10404	1	1	1	0
10405	1	1	1	0
10406	1	1	1	0
10407	1	1	1	0
10408	1	1	1	0
10409	1	1	1	0
10410	1	1	1	0
10411	1	1	1	0
10412	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 7		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10101	1	1	2	1	1	1	0	1
10102	1	1	2	1	1	1	0	1
10103	1	1	2	1	1	1	0	1
10104	1	1	2	1	1	1	0	1
10105	1	1	2	1	1	1	0	1
10106	1	1	2	1	1	1	0	1
10107	1	1	2	1	1	1	0	1
10108	1	1	2	1	1	1	0	1
10109	1	1	2	1	1	1	0	1
10110	1	1	2	1	1	1	0	1
10111	1	1	2	1	1	1	0	1
10112	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10101	1	1	1	0
10102	1	1	1	0
10103	1	1	1	0
10104	1	1	1	0
10105	1	1	1	0
10106	1	1	1	0
10107	1	1	1	0
10108	1	1	1	0
10109	1	1	1	0
10110	1	1	1	0
10111	1	1	1	0
10112	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 7		Dose : TPGME 100 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10201	1	1	2	1	1	1	0	1	
10202	1	1	2	1	1	1	0	1	
10203	1	1	2	1	1	1	0	1	
10204	1	1	2	1	1	1	0	1	
10205	1	1	2	1	1	1	0	1	
10206	1	1	2	1	1	1	0	1	
10207	1	1	2	1	1	1	0	1	
10208	1	1	2	1	1	1	0	1	
10209	1	1	2	1	1	1	0	1	
10210	1	1	2	1	1	1	0	1	
10211	1	1	2	1	1	1	0	1	
10212	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10201	1	1	1	0
10202	1	1	1	0
10203	1	1	1	0
10204	1	1	1	0
10205	1	1	1	0
10206	1	1	1	0
10207	1	1	1	0
10208	1	1	1	0
10209	1	1	1	0
10210	1	1	1	0
10211	1	1	1	0
10212	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 7		Dose : TPGME 300 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10301	1	1	2	1	1	1	0	1	
10302	1	1	2	1	1	1	0	1	
10303	1	1	2	1	1	1	0	1	
10304	1	1	2	1	1	1	0	1	
10305	1	1	2	1	1	1	0	1	
10306	1	1	2	1	1	1	0	1	
10307	1	1	2	1	1	1	0	1	
10308	1	1	2	1	1	1	0	1	
10309	1	1	2	1	1	1	0	1	
10310	1	1	2	1	1	1	0	1	
10311	1	1	2	1	1	1	0	1	
10312	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10301	1	1	1	0
10302	1	1	1	0
10303	1	1	1	0
10304	1	1	1	0
10305	1	1	1	0
10306	1	1	1	0
10307	1	1	1	0
10308	1	1	1	0
10309	1	1	1	0
10310	1	1	1	0
10311	1	1	1	0
10312	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)			Stage : Day 7		Species : Rat			
Sex : Male			Dose : TPGME 1000 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10401	1	1	2	1	1	1	0	1
10402	1	1	2	1	1	1	0	1
10403	1	1	2	1	1	1	0	1
10404	1	1	2	1	1	1	0	1
10405	1	1	2	1	1	1	0	1
10406	1	1	2	1	1	1	0	1
10407	1	1	2	1	1	1	0	1
10408	1	1	2	1	1	1	0	1
10409	1	1	2	1	1	1	0	1
10410	1	1	2	1	1	1	0	1
10411	1	1	2	1	1	1	0	1
10412	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10401	1	1	1	0
10402	1	1	1	0
10403	1	1	1	0
10404	1	1	1	0
10405	1	1	1	0
10406	1	1	1	0
10407	1	1	1	0
10408	1	1	1	0
10409	1	1	1	0
10410	1	1	1	0
10411	1	1	1	0
10412	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 14		Dose : TPGME 0 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10101	1	1	2	1	1	1	0	1	
10102	1	1	2	1	1	1	0	1	
10103	1	1	2	1	1	1	0	1	
10104	1	1	2	1	1	1	0	1	
10105	1	1	2	1	1	1	0	1	
10106	1	1	2	1	1	1	0	1	
10107	1	1	2	1	1	1	0	1	
10108	1	1	2	1	1	1	0	1	
10109	1	1	2	1	1	1	0	1	
10110	1	1	2	1	1	1	0	1	
10111	1	1	2	1	1	1	0	1	
10112	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10101	1	1	1	0
10102	1	1	1	0
10103	1	1	1	0
10104	1	1	1	0
10105	1	1	1	0
10106	1	1	1	0
10107	1	1	1	0
10108	1	1	1	0
10109	1	1	1	0
10110	1	1	1	0
10111	1	1	1	0
10112	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 14		Dose : TPGME 100 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10201	1	1	2	1	1	1	0	1	
10202	1	1	2	1	1	1	0	1	
10203	1	1	2	1	1	1	0	1	
10204	1	1	2	1	1	1	0	1	
10205	1	1	2	1	1	1	0	1	
10206	1	1	2	1	1	1	0	1	
10207	1	1	2	1	1	1	0	1	
10208	1	1	2	1	1	1	0	1	
10209	1	1	2	1	1	1	0	1	
10210	1	1	2	1	1	1	0	1	
10211	1	1	2	1	1	1	0	1	
10212	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10201	1	1	1	0
10202	1	1	1	0
10203	1	1	1	0
10204	1	1	1	0
10205	1	1	1	0
10206	1	1	1	0
10207	1	1	1	0
10208	1	1	1	0
10209	1	1	1	0
10210	1	1	1	0
10211	1	1	1	0
10212	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 14		Dose : TPGME 300 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10301	1	1	2	1	1	1	0	1	
10302	1	1	2	1	1	1	0	1	
10303	1	1	2	1	1	1	0	1	
10304	1	1	2	1	1	1	0	1	
10305	1	1	2	1	1	1	0	1	
10306	1	1	2	1	1	1	0	1	
10307	1	1	2	1	1	1	0	1	
10308	1	1	2	1	1	1	0	1	
10309	1	1	2	1	1	1	0	1	
10310	1	1	2	1	1	1	0	1	
10311	1	1	2	1	1	1	0	1	
10312	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10301	1	1	1	0
10302	1	1	1	0
10303	1	1	1	0
10304	1	1	1	0
10305	1	1	1	0
10306	1	1	1	0
10307	1	1	1	0
10308	1	1	1	0
10309	1	1	1	0
10310	1	1	1	0
10311	1	1	1	0
10312	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 14		Dose : TPGME 1000 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10401	1	1	2	1	1	1	0	1	
10402	1	1	2	1	1	1	0	1	
10403	1	1	2	1	1	1	0	1	
10404	1	1	2	1	1	1	0	1	
10405	1	1	2	1	1	1	0	1	
10406	1	1	2	1	1	1	0	1	
10407	1	1	2	1	1	1	0	1	
10408	1	1	2	1	1	1	0	1	
10409	1	1	2	1	1	1	0	1	
10410	1	1	2	1	1	1	0	1	
10411	1	1	2	1	1	1	0	1	
10412	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10401	1	1	1	0
10402	1	1	1	0
10403	1	1	1	0
10404	1	1	1	0
10405	1	1	1	0
10406	1	1	1	0
10407	1	1	1	0
10408	1	1	1	0
10409	1	1	1	0
10410	1	1	1	0
10411	1	1	1	0
10412	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 21		Dose : TPGME 0 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10101	1	1	2	1	1	1	0	1	
10102	1	1	2	1	1	1	0	1	
10103	1	1	2	1	1	1	0	1	
10104	1	1	2	1	1	1	0	1	
10105	1	1	2	1	1	1	0	1	
10106	1	1	2	1	1	1	0	1	
10107	1	1	2	1	1	1	0	1	
10108	1	1	2	1	1	1	0	1	
10109	1	1	2	1	1	1	0	1	
10110	1	1	2	1	1	1	0	1	
10111	1	1	2	1	1	1	0	1	
10112	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10101	1	1	1	0
10102	1	1	1	0
10103	1	1	1	0
10104	1	1	1	0
10105	1	1	1	0
10106	1	1	1	0
10107	1	1	1	0
10108	1	1	1	0
10109	1	1	1	0
10110	1	1	1	0
10111	1	1	1	0
10112	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 21		Dose : TPGME 100 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10201	1	1	2	1	1	1	0	1	
10202	1	1	2	1	1	1	0	1	
10203	1	1	2	1	1	1	0	1	
10204	1	1	2	1	1	1	0	1	
10205	1	1	2	1	1	1	0	1	
10206	1	1	2	1	1	1	0	1	
10207	1	1	2	1	1	1	0	1	
10208	1	1	2	1	1	1	0	1	
10209	1	1	2	1	1	1	0	1	
10210	1	1	2	1	1	1	0	1	
10211	1	1	2	1	1	1	0	1	
10212	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10201	1	1	1	0
10202	1	1	1	0
10203	1	1	1	0
10204	1	1	1	0
10205	1	1	1	0
10206	1	1	1	0
10207	1	1	1	0
10208	1	1	1	0
10209	1	1	1	0
10210	1	1	1	0
10211	1	1	1	0
10212	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 21		Dose : TPGME 300 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10301	1	1	2	1	1	1	0	1	
10302	1	1	2	1	1	1	0	1	
10303	1	1	2	1	1	1	0	1	
10304	1	1	2	1	1	1	0	1	
10305	1	1	2	1	1	1	0	1	
10306	1	1	2	1	1	1	0	1	
10307	1	1	2	1	1	1	0	1	
10308	1	1	2	1	1	1	0	1	
10309	1	1	2	1	1	1	0	1	
10310	1	1	2	1	1	1	0	1	
10311	1	1	2	1	1	1	0	1	
10312	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10301	1	1	1	0
10302	1	1	1	0
10303	1	1	1	0
10304	1	1	1	0
10305	1	1	1	0
10306	1	1	1	0
10307	1	1	1	0
10308	1	1	1	0
10309	1	1	1	0
10310	1	1	1	0
10311	1	1	1	0
10312	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 21		Dose : TPGME 1000 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10401	1	1	2	1	1	1	0	1	
10402	1	1	2	1	1	1	0	1	
10403	1	1	2	1	1	1	0	1	
10404	1	1	2	1	1	1	0	1	
10405	1	1	2	1	1	1	0	1	
10406	1	1	2	1	1	1	0	1	
10407	1	1	2	1	1	1	0	1	
10408	1	1	2	1	1	1	0	1	
10409	1	1	2	1	1	1	0	1	
10410	1	1	2	1	1	1	0	1	
10411	1	1	2	1	1	1	0	1	
10412	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10401	1	1	1	0
10402	1	1	1	0
10403	1	1	1	0
10404	1	1	1	0
10405	1	1	1	0
10406	1	1	1	0
10407	1	1	1	0
10408	1	1	1	0
10409	1	1	1	0
10410	1	1	1	0
10411	1	1	1	0
10412	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 28		Dose : TPGME 0 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10101	1	1	2	1	1	1	0	1	
10102	1	1	2	1	1	1	0	1	
10103	1	1	2	1	1	1	0	1	
10104	1	1	2	1	1	1	0	1	
10105	1	1	2	1	1	1	0	1	
10106	1	1	2	1	1	1	0	1	
10107	1	1	2	1	1	1	0	1	
10108	1	1	2	1	1	1	0	1	
10109	1	1	2	1	1	1	0	1	
10110	1	1	2	1	1	1	0	1	
10111	1	1	2	1	1	1	0	1	
10112	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10101	1	1	1	0
10102	1	1	1	0
10103	1	1	1	0
10104	1	1	1	0
10105	1	1	1	0
10106	1	1	1	0
10107	1	1	1	0
10108	1	1	1	0
10109	1	1	1	0
10110	1	1	1	0
10111	1	1	1	0
10112	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 28		Dose : TPGME 100 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10201	1	1	2	1	1	1	0	1	
10202	1	1	2	1	1	1	0	1	
10203	1	1	2	1	1	1	0	1	
10204	1	1	2	1	1	1	0	1	
10205	1	1	2	1	1	1	0	1	
10206	1	1	2	1	1	1	0	1	
10207	1	1	2	1	1	1	0	1	
10208	1	1	2	1	1	1	0	1	
10209	1	1	2	1	1	1	0	1	
10210	1	1	2	1	1	1	0	1	
10211	1	1	2	1	1	1	0	1	
10212	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10201	1	1	1	0
10202	1	1	1	0
10203	1	1	1	0
10204	1	1	1	0
10205	1	1	1	0
10206	1	1	1	0
10207	1	1	1	0
10208	1	1	1	0
10209	1	1	1	0
10210	1	1	1	0
10211	1	1	1	0
10212	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)			Stage : Day 28		Species : Rat			
Sex : Male			Dose : TPGME 300 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10301	1	1	2	1	1	1	0	1
10302	1	1	2	1	1	1	0	1
10303	1	1	2	1	1	1	0	1
10304	1	1	2	1	1	1	0	1
10305	1	1	2	1	1	1	0	1
10306	1	1	2	1	1	1	0	1
10307	1	1	2	1	1	1	0	1
10308	1	1	2	1	1	1	0	1
10309	1	1	2	1	1	1	0	1
10310	1	1	2	1	1	1	0	1
10311	1	1	2	1	1	1	0	1
10312	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10301	1	1	1	0
10302	1	1	1	0
10303	1	1	1	0
10304	1	1	1	0
10305	1	1	1	0
10306	1	1	1	0
10307	1	1	1	0
10308	1	1	1	0
10309	1	1	1	0
10310	1	1	1	0
10311	1	1	1	0
10312	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 28		Dose : TPGME 1000 mg/kg		Species : Rat			
Sex : Male									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
10401	1	1	2	1	1	1	0	1	
10402	1	1	2	1	1	1	0	1	
10403	1	1	2	1	1	1	0	1	
10404	1	1	2	1	1	1	0	1	
10405	1	1	2	1	1	1	0	1	
10406	1	1	2	1	1	1	0	1	
10407	1	1	2	1	1	1	0	1	
10408	1	1	2	1	1	1	0	1	
10409	1	1	2	1	1	1	0	1	
10410	1	1	2	1	1	1	0	1	
10411	1	1	2	1	1	1	0	1	
10412	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10401	1	1	1	0
10402	1	1	1	0
10403	1	1	1	0
10404	1	1	1	0
10405	1	1	1	0
10406	1	1	1	0
10407	1	1	1	0
10408	1	1	1	0
10409	1	1	1	0
10410	1	1	1	0
10411	1	1	1	0
10412	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Pre		Species : Rat			
	Sex : Female		Dose : TPGME 0 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50151	1	1	2	1	1	1	0	1
50152	1	1	2	1	1	1	0	1
50153	1	1	2	1	1	1	0	1
50154	1	1	2	1	1	1	0	1
50155	1	1	2	1	1	1	0	1
50156	1	1	2	1	1	1	0	1
50157	1	1	2	1	1	1	0	1
50158	1	1	2	1	1	1	0	1
50159	1	1	2	1	1	1	0	1
50160	1	1	2	1	1	1	0	1
50161	1	1	2	1	1	1	0	1
50162	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Pre		Species : Rat			
	Sex : Female		Dose : TPGME 100 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50251	1	1	2	1	1	1	0	1
50252	1	1	2	1	1	1	0	1
50253	1	1	2	1	1	1	0	1
50254	1	1	2	1	1	1	0	1
50255	1	1	2	1	1	1	0	1
50256	1	1	2	1	1	1	0	1
50257	1	1	2	1	1	1	0	1
50258	1	1	2	1	1	1	0	1
50259	1	1	2	1	1	1	0	1
50260	1	1	2	1	1	1	0	1
50261	1	1	2	1	1	1	0	1
50262	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Pre		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50351	1	1	2	1	1	1	0	1
50352	1	1	2	1	1	1	0	1
50353	1	1	2	1	1	1	0	1
50354	1	1	2	1	1	1	0	1
50355	1	1	2	1	1	1	0	1
50356	1	1	2	1	1	1	0	1
50357	1	1	2	1	1	1	0	1
50358	1	1	2	1	1	1	0	1
50359	1	1	2	1	1	1	0	1
50360	1	1	2	1	1	1	0	1
50361	1	1	2	1	1	1	0	1
50362	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Pre		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50451	1	1	2	1	1	1	0	1
50452	1	1	2	1	1	1	0	1
50453	1	1	2	1	1	1	0	1
50454	1	1	2	1	1	1	0	1
50455	1	1	2	1	1	1	0	1
50456	1	1	2	1	1	1	0	1
50457	1	1	2	1	1	1	0	1
50458	1	1	2	1	1	1	0	1
50459	1	1	2	1	1	1	0	1
50460	1	1	2	1	1	1	0	1
50461	1	1	2	1	1	1	0	1
50462	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50452	1	1	1	0
50453	1	1	1	0
50454	1	1	1	0
50455	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 7		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50151	1	1	2	1	1	1	0	1
50152	1	1	2	1	1	1	0	1
50153	1	1	2	1	1	1	0	1
50154	1	1	2	1	1	1	0	1
50155	1	1	2	1	1	1	0	1
50156	1	1	2	1	1	1	0	1
50157	1	1	2	1	1	1	0	1
50158	1	1	2	1	1	1	0	1
50159	1	1	2	1	1	1	0	1
50160	1	1	2	1	1	1	0	1
50161	1	1	2	1	1	1	0	1
50162	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 7		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50251	1	1	2	1	1	1	0	1
50252	1	1	2	1	1	1	0	1
50253	1	1	2	1	1	1	0	1
50254	1	1	2	1	1	1	0	1
50255	1	1	2	1	1	1	0	1
50256	1	1	2	1	1	1	0	1
50257	1	1	2	1	1	1	0	1
50258	1	1	2	1	1	1	0	1
50259	1	1	2	1	1	1	0	1
50260	1	1	2	1	1	1	0	1
50261	1	1	2	1	1	1	0	1
50262	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 7		Dose : TPGME 300 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50351	1	1	2	1	1	1	0	1	
50352	1	1	2	1	1	1	0	1	
50353	1	1	2	1	1	1	0	1	
50354	1	1	2	1	1	1	0	1	
50355	1	1	2	1	1	1	0	1	
50356	1	1	2	1	1	1	0	1	
50357	1	1	2	1	1	1	0	1	
50358	1	1	2	1	1	1	0	1	
50359	1	1	2	1	1	1	0	1	
50360	1	1	2	1	1	1	0	1	
50361	1	1	2	1	1	1	0	1	
50362	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 7		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50451	1	1	2	1	1	1	0	1
50452	1	1	2	1	1	1	0	1
50453	1	1	2	1	1	1	0	1
50454	1	1	2	1	1	1	0	1
50455	1	1	2	1	1	1	0	1
50456	1	1	2	1	1	1	0	1
50457	1	1	2	1	1	1	0	1
50458	1	1	2	1	1	1	0	1
50459	1	1	2	1	1	1	0	1
50460	1	1	2	1	1	1	0	1
50461	1	1	2	1	1	1	0	1
50462	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50452	1	1	1	0
50453	1	1	1	0
50454	1	1	1	0
50455	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 14		Dose : TPGME 0 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50151	1	1	2	1	1	1	0	1	
50152	1	1	2	1	1	1	0	1	
50153	1	1	2	1	1	1	0	1	
50154	1	1	2	1	1	1	0	1	
50155	1	1	2	1	1	1	0	1	
50156	1	1	2	1	1	1	0	1	
50157	1	1	2	1	1	1	0	1	
50158	1	1	2	1	1	1	0	1	
50159	1	1	2	1	1	1	0	1	
50160	1	1	2	1	1	1	0	1	
50161	1	1	2	1	1	1	0	1	
50162	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 14		Dose : TPGME 100 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50251	1	1	2	1	1	1	0	1	
50252	1	1	2	1	1	1	0	1	
50253	1	1	2	1	1	1	0	1	
50254	1	1	2	1	1	1	0	1	
50255	1	1	2	1	1	1	0	1	
50256	1	1	2	1	1	1	0	1	
50257	1	1	2	1	1	1	0	1	
50258	1	1	2	1	1	1	0	1	
50259	1	1	2	1	1	1	0	1	
50260	1	1	2	1	1	1	0	1	
50261	1	1	2	1	1	1	0	1	
50262	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 14		Dose : TPGME 300 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50351	1	1	2	1	1	1	0	1	
50352	1	1	2	1	1	1	0	1	
50353	1	1	2	1	1	1	0	1	
50354	1	1	2	1	1	1	0	1	
50355	1	1	2	1	1	1	0	1	
50356	1	1	2	1	1	1	0	1	
50357	1	1	2	1	1	1	0	1	
50358	1	1	2	1	1	1	0	1	
50359	1	1	2	1	1	1	0	1	
50360	1	1	2	1	1	1	0	1	
50361	1	1	2	1	1	1	0	1	
50362	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 14		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50451	1	1	2	1	1	1	0	1
50452	1	1	2	1	1	1	0	1
50453	1	1	2	1	1	1	0	1
50454	1	1	2	1	1	1	0	1
50455	1	1	2	1	1	1	0	1
50456	1	1	2	1	1	1	0	1
50457	1	1	2	1	1	1	0	1
50458	1	1	2	1	1	1	0	1
50459	1	1	2	1	1	1	0	1
50460	1	1	2	1	1	1	0	1
50461	1	1	2	1	1	1	0	1
50462	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50452	1	1	1	0
50453	1	1	1	0
50454	1	1	1	0
50455	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 21		Dose : TPGME 0 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50151	1	1	2	1	1	1	0	1	
50152	1	1	2	1	1	1	0	1	
50153	1	1	2	1	1	1	0	1	
50154	1	1	2	1	1	1	0	1	
50155	1	1	2	1	1	1	0	1	
50156	1	1	2	1	1	1	0	1	
50157	1	1	2	1	1	1	0	1	
50158	1	1	2	1	1	1	0	1	
50159	1	1	2	1	1	1	0	1	
50160	1	1	2	1	1	1	0	1	
50161	1	1	2	1	1	1	0	1	
50162	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 21		Dose : TPGME 100 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50251	1	1	2	1	1	1	0	1	
50252	1	1	2	1	1	1	0	1	
50253	1	1	2	1	1	1	0	1	
50254	1	1	2	1	1	1	0	1	
50255	1	1	2	1	1	1	0	1	
50256	1	1	2	1	1	1	0	1	
50257	1	1	2	1	1	1	0	1	
50258	1	1	2	1	1	1	0	1	
50259	1	1	2	1	1	1	0	1	
50260	1	1	2	1	1	1	0	1	
50261	1	1	2	1	1	1	0	1	
50262	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 21		Dose : TPGME 300 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50351	1	1	2	1	1	1	0	1	
50352	1	1	2	1	1	1	0	1	
50353	1	1	2	1	1	1	0	1	
50354	1	1	2	1	1	1	0	1	
50355	1	1	2	1	1	1	0	1	
50356	1	1	2	1	1	1	0	1	
50357	1	1	2	1	1	1	0	1	
50358	1	1	2	1	1	1	0	1	
50359	1	1	2	1	1	1	0	1	
50360	1	1	2	1	1	1	0	1	
50361	1	1	2	1	1	1	0	1	
50362	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 21		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50451	1	1	2	1	1	1	0	1
50452	1	1	2	1	1	1	0	1
50453	1	1	2	1	1	1	0	1
50454	1	1	2	1	1	1	0	1
50455	1	1	2	1	1	1	0	1
50456	1	1	2	1	1	1	0	1
50457	1	1	2	1	1	1	0	1
50458	1	1	2	1	1	1	0	1
50459	1	1	2	1	1	1	0	1
50460	1	1	2	1	1	1	0	1
50461	1	1	2	1	1	1	0	1
50462	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50452	1	1	1	0
50453	1	1	1	0
50454	1	1	1	0
50455	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 28		Species : Rat				
Sex : Female		Dose : TPGME 0 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50151	1	1	2	1	1	1	0	1
50152	1	1	2	1	1	1	0	1
50153	1	1	2	1	1	1	0	1
50154	1	1	2	1	1	1	0	1
50155	1	1	2	1	1	1	0	1
50156	1	1	2	1	1	1	0	1
50157	1	1	2	1	1	1	0	1
50158	1	1	2	1	1	1	0	1
50159	1	1	2	1	1	1	0	1
50160	1	1	2	1	1	1	0	1
50161	1	1	2	1	1	1	0	1
50162	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 28		Dose : TPGME 100 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50251	1	1	2	1	1	1	0	1	
50252	1	1	2	1	1	1	0	1	
50253	1	1	2	1	1	1	0	1	
50254	1	1	2	1	1	1	0	1	
50255	1	1	2	1	1	1	0	1	
50256	1	1	2	1	1	1	0	1	
50257	1	1	2	1	1	1	0	1	
50258	1	1	2	1	1	1	0	1	
50259	1	1	2	1	1	1	0	1	
50260	1	1	2	1	1	1	0	1	
50261	1	1	2	1	1	1	0	1	
50262	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 28		Dose : TPGME 300 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50351	1	1	2	1	1	1	0	1	
50352	1	1	2	1	1	1	0	1	
50353	1	1	2	1	1	1	0	1	
50354	1	1	2	1	1	1	0	1	
50355	1	1	2	1	1	1	0	1	
50356	1	1	2	1	1	1	0	1	
50357	1	1	2	1	1	1	0	1	
50358	1	1	2	1	1	1	0	1	
50359	1	1	2	1	1	1	0	1	
50360	1	1	2	1	1	1	0	1	
50361	1	1	2	1	1	1	0	1	
50362	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 28		Dose : TPGME 1000 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50451	1	1	2	1	1	1	0	1	
50452	1	1	2	1	1	1	0	1	
50453	1	1	2	1	1	1	0	1	
50454	1	1	2	1	1	1	0	1	
50455	1	1	2	1	1	1	0	1	
50456	1	1	2	1	1	1	0	1	
50457	1	1	2	1	1	1	0	1	
50458	1	1	2	1	1	1	0	1	
50459	1	1	2	1	1	1	0	1	
50460	1	1	2	1	1	1	0	1	
50461	1	1	2	1	1	1	0	1	
50462	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50452	1	1	1	0
50453	1	1	1	0
50454	1	1	1	0
50455	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 35		Dose : TPGME 0 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50151	1	1	2	1	1	1	0	1	
50152	1	1	2	1	1	1	0	1	
50153	1	1	2	1	1	1	0	1	
50154	1	1	2	1	1	1	0	1	
50155	1	1	2	1	1	1	0	1	
50156	1	1	2	1	1	1	0	1	
50157	1	1	2	1	1	1	0	1	
50158	1	1	2	1	1	1	0	1	
50159	1	1	2	1	1	1	0	1	
50160	1	1	2	1	1	1	0	1	
50161	1	1	2	1	1	1	0	1	
50162	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 35		Dose : TPGME 100 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50251	1	1	2	1	1	1	0	1	
50252	1	1	2	1	1	1	0	1	
50253	1	1	2	1	1	1	0	1	
50254	1	1	2	1	1	1	0	1	
50255	1	1	2	1	1	1	0	1	
50256	1	1	2	1	1	1	0	1	
50257	1	1	2	1	1	1	0	1	
50258	1	1	2	1	1	1	0	1	
50259	1	1	2	1	1	1	0	1	
50260	1	1	2	1	1	1	0	1	
50261	1	1	2	1	1	1	0	1	
50262	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 35		Dose : TPGME 300 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50351	1	1	2	1	1	1	0	1	
50352	1	1	2	1	1	1	0	1	
50353	1	1	2	1	1	1	0	1	
50354	1	1	2	1	1	1	0	1	
50355	1	1	2	1	1	1	0	1	
50356	1	1	2	1	1	1	0	1	
50357	1	1	2	1	1	1	0	1	
50358	1	1	2	1	1	1	0	1	
50359	1	1	2	1	1	1	0	1	
50360	1	1	2	1	1	1	0	1	
50361	1	1	2	1	1	1	0	1	
50362	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 35		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50451	1	1	2	1	1	1	0	1
50452	1	1	2	1	1	1	0	1
50453	1	1	2	1	1	1	0	1
50454	1	1	2	1	1	1	0	1
50455	1	1	2	1	1	1	0	1
50456	1	1	2	1	1	1	0	1
50457	1	1	2	1	1	1	0	1
50458	1	1	2	1	1	1	0	1
50459	1	1	2	1	1	1	0	1
50460	1	1	2	1	1	1	0	1
50461	1	1	2	1	1	1	0	1
50462	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50452	1	1	1	0
50453	1	1	1	0
50454	1	1	1	0
50455	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 42		Species : Rat			
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50151	1	1	2	1	1	1	0	1
50152	1	1	2	1	1	1	0	1
50153	1	1	2	1	1	1	0	1
50154	1	1	2	1	1	1	0	1
50155	1	1	2	1	1	1	0	1
50156	1	1	2	1	1	1	0	1
50157	1	1	2	1	1	1	0	1
50158	1	1	2	1	1	1	0	1
50159	1	1	2	1	1	1	0	1
50160	1	1	2	1	1	1	0	1
50161	1	1	2	1	1	1	0	1
50162	1	1	2	1	1	1	0	1
n	12	12	12	12	12	12	12	12

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 42		Dose : TPGME 100 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50251	1	1	2	1	1	1	0	1	
50252	1	1	2	1	1	1	0	1	
50253	1	1	2	1	1	1	0	1	
50254	1	1	2	1	1	1	0	1	
50255	1	1	2	1	1	1	0	1	
50256	1	1	2	1	1	1	0	1	
50257	1	1	2	1	1	1	0	1	
50258	1	1	2	1	1	1	0	1	
50259	1	1	2	1	1	1	0	1	
50260	1	1	2	1	1	1	0	1	
50261	1	1	2	1	1	1	0	1	
50262	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 42		Dose : TPGME 300 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50351	1	1	2	1	1	1	0	1	
50352	1	1	2	1	1	1	0	1	
50353	1	1	2	1	1	1	0	1	
50354	1	1	2	1	1	1	0	1	
50355	1	1	2	1	1	1	0	1	
50356	1	1	2	1	1	1	0	1	
50357	1	1	2	1	1	1	0	1	
50358	1	1	2	1	1	1	0	1	
50359	1	1	2	1	1	1	0	1	
50360	1	1	2	1	1	1	0	1	
50361	1	1	2	1	1	1	0	1	
50362	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 42		Dose : TPGME 1000 mg/kg		Species : Rat	
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50451	1	1	2	1	1	1	0	1
50452	1	1	2	1	1	1	0	1
50454	1	1	2	1	1	1	0	1
50455	1	1	2	1	1	1	0	1
50456	1	1	2	1	1	1	0	1
50457	1	1	2	1	1	1	0	1
50458	1	1	2	1	1	1	0	1
50459	1	1	2	1	1	1	0	1
50460	1	1	2	1	1	1	0	1
50461	1	1	2	1	1	1	0	1
50462	1	1	2	1	1	1	0	1
n	11	11	11	11	11	11	11	11

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50452	1	1	1	0
50454	1	1	1	0
50455	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	11	11	11	11

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 49		Dose : TPGME 0 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50151	1	1	2	1	1	1	0	1	
50152	1	1	2	1	1	1	0	1	
50153	1	1	2	1	1	1	0	1	
50154	1	1	2	1	1	1	0	1	
50155	1	1	2	1	1	1	0	1	
50156	1	1	2	1	1	1	0	1	
50157	1	1	2	1	1	1	0	1	
50158	1	1	2	1	1	1	0	1	
50159	1	1	2	1	1	1	0	1	
50160	1	1	2	1	1	1	0	1	
50161	1	1	2	1	1	1	0	1	
50162	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50151	1	1	1	0
50152	1	1	1	0
50153	1	1	1	0
50154	1	1	1	0
50155	1	1	1	0
50156	1	1	1	0
50157	1	1	1	0
50158	1	1	1	0
50159	1	1	1	0
50160	1	1	1	0
50161	1	1	1	0
50162	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 49		Dose : TPGME 100 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50251	1	1	2	1	1	1	0	1	
50252	1	1	2	1	1	1	0	1	
50253	1	1	2	1	1	1	0	1	
50254	1	1	2	1	1	1	0	1	
50255	1	1	2	1	1	1	0	1	
50256	1	1	2	1	1	1	0	1	
50257	1	1	2	1	1	1	0	1	
50258	1	1	2	1	1	1	0	1	
50259	1	1	2	1	1	1	0	1	
50260	1	1	2	1	1	1	0	1	
50261	1	1	2	1	1	1	0	1	
50262	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50251	1	1	1	0
50252	1	1	1	0
50253	1	1	1	0
50254	1	1	1	0
50255	1	1	1	0
50256	1	1	1	0
50257	1	1	1	0
50258	1	1	1	0
50259	1	1	1	0
50260	1	1	1	0
50261	1	1	1	0
50262	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 49		Dose : TPGME 300 mg/kg		Species : Rat			
Sex : Female									
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	
50351	1	1	2	1	1	1	0	1	
50352	1	1	2	1	1	1	0	1	
50353	1	1	2	1	1	1	0	1	
50354	1	1	2	1	1	1	0	1	
50355	1	1	2	1	1	1	0	1	
50356	1	1	2	1	1	1	0	1	
50357	1	1	2	1	1	1	0	1	
50358	1	1	2	1	1	1	0	1	
50359	1	1	2	1	1	1	0	1	
50360	1	1	2	1	1	1	0	1	
50361	1	1	2	1	1	1	0	1	
50362	1	1	2	1	1	1	0	1	
n	12	12	12	12	12	12	12	12	

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50351	1	1	1	0
50352	1	1	1	0
50353	1	1	1	0
50354	1	1	1	0
50355	1	1	1	0
50356	1	1	1	0
50357	1	1	1	0
50358	1	1	1	0
50359	1	1	1	0
50360	1	1	1	0
50361	1	1	1	0
50362	1	1	1	0
n	12	12	12	12

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 49		Species : Rat			
	Sex : Female		Dose : TPGME 1000 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50451	1	1	2	1	1	1	0	1
50452	1	1	2	1	1	1	0	1
50454	1	1	2	1	1	1	0	1
50455	1	1	2	1	1	1	0	1
50456	1	1	2	1	1	1	0	1
50457	1	1	2	1	1	1	0	1
50458	1	1	2	1	1	1	0	1
50459	1	1	2	1	1	1	0	1
50460	1	1	2	1	1	1	0	1
50461	1	1	2	1	1	1	0	1
50462	1	1	2	1	1	1	0	1
n	11	11	11	11	11	11	11	11

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50451	1	1	1	0
50452	1	1	1	0
50454	1	1	1	0
50455	1	1	1	0
50456	1	1	1	0
50457	1	1	1	0
50458	1	1	1	0
50459	1	1	1	0
50460	1	1	1	0
50461	1	1	1	0
50462	1	1	1	0
n	11	11	11	11

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Pre		Species : Rat			
	Sex : Female (satellite)		Dose : TPGME 0 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50551	1	1	2	1	1	1	0	1
50552	1	1	2	1	1	1	0	1
50553	1	1	2	1	1	1	0	1
50554	1	1	2	1	1	1	0	1
50555	1	1	2	1	1	1	0	1
50556	1	1	2	1	1	1	0	1
50557	1	1	2	1	1	1	0	1
50558	1	1	2	1	1	1	0	1
50559	1	1	2	1	1	1	0	1
50560	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50551	1	1	1	0
50552	1	1	1	0
50553	1	1	1	0
50554	1	1	1	0
50555	1	1	1	0
50556	1	1	1	0
50557	1	1	1	0
50558	1	1	1	0
50559	1	1	1	0
50560	1	1	1	0
n	10	10	10	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Pre		Species : Rat			
	Sex : Female (satellite)		Dose : TPGME 1000 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50651	1	1	2	1	1	1	0	1
50652	1	1	2	1	1	1	0	1
50653	1	1	2	1	1	1	0	1
50654	1	1	2	1	1	1	0	1
50655	1	1	2	1	1	1	0	1
50656	1	1	2	1	1	1	0	1
50657	1	1	2	1	1	1	0	1
50658	1	1	2	1	1	1	0	1
50659	1	1	2	1	1	1	0	1
50660	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50651	1	1	1	0
50652	1	1	1	0
50653	1	1	1	0
50654	1	1	1	0
50655	1	1	1	0
50656	1	1	1	0
50657	1	1	1	0
50658	1	1	1	0
50659	1	1	1	0
50660	1	1	1	0
n	10	10	10	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 7		Species : Rat			
	Sex : Female (satellite)		Dose : TPGME 0 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50551	1	1	2	1	1	1	0	1
50552	1	1	2	1	1	1	0	1
50553	1	1	2	1	1	1	0	1
50554	1	1	2	1	1	1	0	1
50555	1	1	2	1	1	1	0	1
50556	1	1	2	1	1	1	0	1
50557	1	1	2	1	1	1	0	1
50558	1	1	2	1	1	1	0	1
50559	1	1	2	1	1	1	0	1
50560	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50551	1	1	1	0
50552	1	1	1	0
50553	1	1	1	0
50554	1	1	1	0
50555	1	1	1	0
50556	1	1	1	0
50557	1	1	1	0
50558	1	1	1	0
50559	1	1	1	0
50560	1	1	1	0
n	10	10	10	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 7		Species : Rat			
	Sex : Female (satellite)		Dose : TPGME 1000 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50651	1	1	2	1	1	1	0	1
50652	1	1	2	1	1	1	0	1
50653	1	1	2	1	1	1	0	1
50654	1	1	2	1	1	1	0	1
50655	1	1	2	1	1	1	0	1
50656	1	1	2	1	1	1	0	1
50657	1	1	2	1	1	1	0	1
50658	1	1	2	1	1	1	0	1
50659	1	1	2	1	1	1	0	1
50660	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50651	1	1	1	0
50652	1	1	1	0
50653	1	1	1	0
50654	1	1	1	0
50655	1	1	1	0
50656	1	1	1	0
50657	1	1	1	0
50658	1	1	1	0
50659	1	1	1	0
50660	1	1	1	0
n	10	10	10	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)		Stage : Day 14		Species : Rat				
Sex : Female (satellite)		Dose : TPGME 0 mg/kg						
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50551	1	1	2	1	1	1	0	1
50552	1	1	2	1	1	1	0	1
50553	1	1	2	1	1	1	0	1
50554	1	1	2	1	1	1	0	1
50555	1	1	2	1	1	1	0	1
50556	1	1	2	1	1	1	0	1
50557	1	1	2	1	1	1	0	1
50558	1	1	2	1	1	1	0	1
50559	1	1	2	1	1	1	0	1
50560	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50551	1	1	1	0
50552	1	1	1	0
50553	1	1	1	0
50554	1	1	1	0
50555	1	1	1	0
50556	1	1	1	0
50557	1	1	1	0
50558	1	1	1	0
50559	1	1	1	0
50560	1	1	1	0
n	10	10	10	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 14		Species : Rat			
	Sex : Female (satellite)		Dose : TPGME 1000 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50651	1	1	2	1	1	1	0	1
50652	1	1	2	1	1	1	0	1
50653	1	1	2	1	1	1	0	1
50654	1	1	2	1	1	1	0	1
50655	1	1	2	1	1	1	0	1
50656	1	1	2	1	1	1	0	1
50657	1	1	2	1	1	1	0	1
50658	1	1	2	1	1	1	0	1
50659	1	1	2	1	1	1	0	1
50660	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50651	1	1	1	0
50652	1	1	1	0
50653	1	1	1	0
50654	1	1	1	0
50655	1	1	1	0
50656	1	1	1	0
50657	1	1	1	0
50658	1	1	1	0
50659	1	1	1	0
50660	1	1	1	0
n	10	10	10	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 21		Species : Rat			
	Sex : Female (satellite)		Dose : TPGME 0 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50551	1	1	2	1	1	1	0	1
50552	1	1	2	1	1	1	0	1
50553	1	1	2	1	1	1	0	1
50554	1	1	2	1	1	1	0	1
50555	1	1	2	1	1	1	0	1
50556	1	1	2	1	1	1	0	1
50557	1	1	2	1	1	1	0	1
50558	1	1	2	1	1	1	0	1
50559	1	1	2	1	1	1	0	1
50560	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50551	1	1	1	0
50552	1	1	1	0
50553	1	1	1	0
50554	1	1	1	0
50555	1	1	1	0
50556	1	1	1	0
50557	1	1	1	0
50558	1	1	1	0
50559	1	1	1	0
50560	1	1	1	0
n	10	10	10	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 21		Species : Rat			
	Sex : Female (satellite)		Dose : TPGME 1000 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50651	1	1	2	1	1	1	0	1
50652	1	1	2	1	1	1	0	1
50653	1	1	2	1	1	1	0	1
50654	1	1	2	1	1	1	0	1
50655	1	1	2	1	1	1	0	1
50656	1	1	2	1	1	1	0	1
50657	1	1	2	1	1	1	0	1
50658	1	1	2	1	1	1	0	1
50659	1	1	2	1	1	1	0	1
50660	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50651	1	1	1	0
50652	1	1	1	0
50653	1	1	1	0
50654	1	1	1	0
50655	1	1	1	0
50656	1	1	1	0
50657	1	1	1	0
50658	1	1	1	0
50659	1	1	1	0
50660	1	1	1	0
n	10	10	10	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 28		Species : Rat			
	Sex : Female (satellite)		Dose : TPGME 0 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50551	1	1	2	1	1	1	0	1
50552	1	1	2	1	1	1	0	1
50553	1	1	2	1	1	1	0	1
50554	1	1	2	1	1	1	0	1
50555	1	1	2	1	1	1	0	1
50556	1	1	2	1	1	1	0	1
50557	1	1	2	1	1	1	0	1
50558	1	1	2	1	1	1	0	1
50559	1	1	2	1	1	1	0	1
50560	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50551	1	1	1	0
50552	1	1	1	0
50553	1	1	1	0
50554	1	1	1	0
50555	1	1	1	0
50556	1	1	1	0
50557	1	1	1	0
50558	1	1	1	0
50559	1	1	1	0
50560	1	1	1	0
n	10	10	10	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Animal No.	Detailed clinical observation (on the hand)		Stage : Day 28		Species : Rat			
	Sex : Female (satellite)		Dose : TPGME 1000 mg/kg					
	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50651	1	1	2	1	1	1	0	1
50652	1	1	2	1	1	1	0	1
50653	1	1	2	1	1	1	0	1
50654	1	1	2	1	1	1	0	1
50655	1	1	2	1	1	1	0	1
50656	1	1	2	1	1	1	0	1
50657	1	1	2	1	1	1	0	1
50658	1	1	2	1	1	1	0	1
50659	1	1	2	1	1	1	0	1
50660	1	1	2	1	1	1	0	1
n	10	10	10	10	10	10	10	10

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50651	1	1	1	0
50652	1	1	1	0
50653	1	1	1	0
50654	1	1	1	0
50655	1	1	1	0
50656	1	1	1	0
50657	1	1	1	0
50658	1	1	1	0
50659	1	1	1	0
50660	1	1	1	0
n	10	10	10	10

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)			Stage : Recovery Day 7		Species : Rat			
Sex : Male			Dose : TPGME 0 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10102	1	1	2	1	1	1	0	1
10103	1	1	2	1	1	1	0	1
10109	1	1	2	1	1	1	0	1
10110	1	1	2	1	1	1	0	1
10112	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10102	1	1	1	0
10103	1	1	1	0
10109	1	1	1	0
10110	1	1	1	0
10112	1	1	1	0
n	5	5	5	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)			Stage : Recovery Day 7		Species : Rat			
Sex : Male			Dose : TPGME 1000 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10402	1	1	2	1	1	1	0	1
10404	1	1	2	1	1	1	0	1
10405	1	1	2	1	1	1	0	1
10406	1	1	2	1	1	1	0	1
10409	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10402	1	1	1	0
10404	1	1	1	0
10405	1	1	1	0
10406	1	1	1	0
10409	1	1	1	0
n	5	5	5	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)			Stage : Recovery Day 14			Species : Rat		
Sex : Male			Dose : TPGME 0 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10102	1	1	2	1	1	1	0	1
10103	1	1	2	1	1	1	0	1
10109	1	1	2	1	1	1	0	1
10110	1	1	2	1	1	1	0	1
10112	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10102	1	1	1	0
10103	1	1	1	0
10109	1	1	1	0
10110	1	1	1	0
10112	1	1	1	0
n	5	5	5	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)			Stage : Recovery Day 14			Species : Rat		
Sex : Male			Dose : TPGME 1000 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
10402	1	1	2	1	1	1	0	1
10404	1	1	2	1	1	1	0	1
10405	1	1	2	1	1	1	0	1
10406	1	1	2	1	1	1	0	1
10409	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
10402	1	1	1	0
10404	1	1	1	0
10405	1	1	1	0
10406	1	1	1	0
10409	1	1	1	0
n	5	5	5	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)			Stage : Recovery Day 7		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 0 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50556	1	1	2	1	1	1	0	1
50557	1	1	2	1	1	1	0	1
50558	1	1	2	1	1	1	0	1
50559	1	1	2	1	1	1	0	1
50560	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50556	1	1	1	0
50557	1	1	1	0
50558	1	1	1	0
50559	1	1	1	0
50560	1	1	1	0
n	5	5	5	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)			Stage : Recovery Day 7		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50656	1	1	2	1	1	1	0	1
50657	1	1	2	1	1	1	0	1
50658	1	1	2	1	1	1	0	1
50659	1	1	2	1	1	1	0	1
50660	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50656	1	1	1	0
50657	1	1	1	0
50658	1	1	1	0
50659	1	1	1	0
50660	1	1	1	0
n	5	5	5	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)			Stage : Recovery Day 14		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 0 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50556	1	1	2	1	1	1	0	1
50557	1	1	2	1	1	1	0	1
50558	1	1	2	1	1	1	0	1
50559	1	1	2	1	1	1	0	1
50560	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50556	1	1	1	0
50557	1	1	1	0
50558	1	1	1	0
50559	1	1	1	0
50560	1	1	1	0
n	5	5	5	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (on the hand)			Stage : Recovery Day 14		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg					
Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin
50656	1	1	2	1	1	1	0	1
50657	1	1	2	1	1	1	0	1
50658	1	1	2	1	1	1	0	1
50659	1	1	2	1	1	1	0	1
50660	1	1	2	1	1	1	0	1
n	5	5	5	5	5	5	5	5

Animal No.	Pupil size	Lacrimation	Salivation	Secretions/ Excretions
50656	1	1	1	0
50657	1	1	1	0
50658	1	1	1	0
50659	1	1	1	0
50660	1	1	1	0
n	5	5	5	5

Ease of Removal) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Ease of Handling) 1;Very easy, 2;Easy, 3;Slightly difficult, 4;Difficult, 5;Very difficult.

Muscle tone) 1;Low, 2;Normal, 3;High.

Piloerection) 1;Normal, 2;Slightly present, around head and back, 3;Slightly present, systemic, 4;Severely present, systemic.

Fur) 1;Normal, 2;Slightly stained, 3;Stained.

Eyes) 1;Not present, normal, 2;Slight ptosis, half closed, 3;Ptosis, 4;Closed.

Mucous membranes) -1;Dark purplish appearance, cyanosis, 0;Normal, 1;Red appearance.

Skin) 0;Pale appearance, cyanosis, 1;Normal, 2;Red appearance.

Pupil size) 1;Normal, 2;Slightly mydriatic, 3;Mydriatic.

Lacrimation) 1;Not present, 2;Wet around the eye, 3;Wet, 4;Severely wet.

Salivation) 1;Not present, 2;Wet around the mouth, 3;Wet, 4;Severely wet.

Secretions/Excretions) 0;Not present, 1;Present.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Male				Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10101	1	1	1	1	1	1	0	0	
10102	1	1	1	1	1	1	0	0	
10103	1	1	1	1	0	0	0	0	
10104	1	1	1	1	1	1	0	0	
10105	1	1	1	1	0	0	0	0	
10106	1	1	1	1	0	0	0	0	
10107	1	1	1	1	0	0	0	0	
10108	1	1	1	1	0	0	0	0	
10109	1	1	1	1	1	1	0	0	
10110	1	1	1	1	0	1	0	0	
10111	1	1	1	1	0	0	0	0	
10112	1	1	1	1	0	1	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10101	1	1	1
10102	1	1	1
10103	1	1	1
10104	1	1	1
10105	1	1	1
10106	1	1	1
10107	1	1	1
10108	1	1	1
10109	1	1	1
10110	1	1	1
10111	1	1	1
10112	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Male				Dose : TPGME 100 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10201	1	1	1	1	1	1	0	0	
10202	1	1	1	1	0	0	0	0	
10203	1	1	1	1	1	1	0	0	
10204	1	1	1	1	1	1	0	0	
10205	1	1	1	1	1	1	0	0	
10206	1	1	1	1	1	1	0	0	
10207	1	1	1	1	1	1	0	0	
10208	1	1	1	1	0	1	0	0	
10209	1	1	1	1	0	0	0	0	
10210	1	1	1	1	1	1	0	0	
10211	1	1	1	1	1	1	0	0	
10212	1	1	1	1	0	1	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10201	1	1	1
10202	1	1	1
10203	1	1	1
10204	1	1	1
10205	1	1	1
10206	1	1	1
10207	1	1	1
10208	1	1	1
10209	1	1	1
10210	1	1	1
10211	1	1	1
10212	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Male				Dose : TPGME 300 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10301	1	1	1	1	1	1	0	0	
10302	1	1	1	1	0	1	0	0	
10303	1	1	1	1	1	1	0	0	
10304	1	1	1	1	1	1	0	0	
10305	1	1	1	1	1	1	0	0	
10306	1	1	1	1	1	0	0	0	
10307	1	1	1	1	0	0	0	0	
10308	1	1	1	1	1	1	0	0	
10309	1	1	1	1	0	1	0	0	
10310	1	1	1	1	0	0	0	0	
10311	1	1	1	1	0	0	0	0	
10312	1	1	1	1	0	1	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10301	1	1	1
10302	1	1	1
10303	1	1	1
10304	1	1	1
10305	1	1	1
10306	1	1	1
10307	1	1	1
10308	1	1	1
10309	1	1	1
10310	1	1	1
10311	1	1	1
10312	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Male				Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10401	1	1	1	1	0	0	0	0	
10402	1	1	1	1	0	0	0	0	
10403	1	1	1	1	1	1	0	0	
10404	1	1	1	1	1	1	0	0	
10405	1	1	1	1	0	0	0	0	
10406	1	1	1	1	0	0	0	0	
10407	1	1	1	1	0	0	0	0	
10408	1	1	1	1	0	1	0	0	
10409	1	1	1	1	1	1	0	0	
10410	1	1	1	1	0	0	0	0	
10411	1	1	1	1	1	1	0	0	
10412	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10401	1	1	1
10402	1	1	1
10403	1	1	1
10404	1	1	1
10405	1	1	1
10406	1	1	1
10407	1	1	1
10408	1	1	1
10409	1	1	1
10410	1	1	1
10411	1	1	1
10412	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 7		Species : Rat			
Sex : Male				Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10101	1	1	1	1	0	1	0	0	
10102	1	1	1	1	0	0	0	0	
10103	1	1	1	1	0	0	0	0	
10104	1	1	1	1	0	0	0	0	
10105	1	1	1	1	0	0	0	0	
10106	1	1	1	1	0	0	0	0	
10107	1	1	1	1	0	0	0	0	
10108	1	1	1	1	0	1	0	0	
10109	1	1	1	1	0	0	0	0	
10110	1	1	1	1	0	0	0	0	
10111	1	1	1	1	0	0	0	0	
10112	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10101	1	1	1
10102	1	1	1
10103	1	1	1
10104	1	1	1
10105	1	1	1
10106	1	1	1
10107	1	1	1
10108	1	1	1
10109	1	1	1
10110	1	1	1
10111	1	1	1
10112	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 7		Species : Rat			
Sex : Male				Dose : TPGME 100 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10201	1	1	1	1	1	1	0	0	
10202	1	1	1	1	0	0	0	0	
10203	1	1	1	1	0	0	0	0	
10204	1	1	1	1	0	0	0	0	
10205	1	1	1	1	1	0	0	0	
10206	1	1	1	1	0	0	0	0	
10207	1	1	1	1	0	1	0	0	
10208	1	1	1	1	0	0	0	0	
10209	1	1	1	1	0	0	0	0	
10210	1	1	1	1	0	0	0	0	
10211	1	1	1	1	0	0	0	0	
10212	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10201	1	1	1
10202	1	1	1
10203	1	1	1
10204	1	1	1
10205	1	1	1
10206	1	1	1
10207	1	1	1
10208	1	1	1
10209	1	1	1
10210	1	1	1
10211	1	1	1
10212	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 7		Species : Rat			
Sex : Male				Dose : TPGME 300 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10301	1	1	1	1	0	0	0	0	
10302	1	1	1	1	0	0	0	0	
10303	1	1	1	1	0	1	0	0	
10304	1	1	1	1	1	1	0	0	
10305	1	1	1	1	1	0	0	0	
10306	1	1	1	1	0	0	0	0	
10307	1	1	1	1	0	0	0	0	
10308	1	1	1	1	0	0	0	0	
10309	1	1	1	1	0	0	0	0	
10310	1	1	1	1	0	0	0	0	
10311	1	1	1	1	0	0	0	0	
10312	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10301	1	1	1
10302	1	1	1
10303	1	1	1
10304	1	1	1
10305	1	1	1
10306	1	1	1
10307	1	1	1
10308	1	1	1
10309	1	1	1
10310	1	1	1
10311	1	1	1
10312	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 7		Species : Rat			
Sex : Male				Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10401	1	1	1	1	0	0	0	0	
10402	1	1	1	1	1	0	0	0	
10403	1	1	1	1	1	0	0	0	
10404	1	1	1	1	1	0	0	0	
10405	1	1	1	1	0	0	0	0	
10406	1	1	1	1	1	0	0	0	
10407	1	1	1	1	0	0	0	0	
10408	1	1	1	1	0	0	0	0	
10409	1	1	1	1	0	0	0	0	
10410	1	1	1	1	0	0	0	0	
10411	1	1	1	1	0	0	0	0	
10412	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10401	1	1	1
10402	1	1	1
10403	1	1	1
10404	1	1	1
10405	1	1	1
10406	1	1	1
10407	1	1	1
10408	1	1	1
10409	1	1	1
10410	1	1	1
10411	1	1	1
10412	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 14		Species : Rat			
Sex : Male				Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10101	1	1	1	1	0	1	0	0	
10102	1	1	1	1	0	0	0	0	
10103	1	1	1	1	0	0	0	0	
10104	1	1	1	1	0	1	0	0	
10105	1	1	1	1	0	0	0	0	
10106	1	1	1	1	0	0	0	0	
10107	1	1	1	1	0	0	0	0	
10108	1	1	1	1	0	0	0	0	
10109	1	1	1	1	0	0	0	0	
10110	1	1	1	1	0	0	0	0	
10111	1	1	1	1	0	0	0	0	
10112	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10101	1	1	1
10102	1	1	1
10103	1	1	1
10104	1	1	1
10105	1	1	1
10106	1	1	1
10107	1	1	1
10108	1	1	1
10109	1	1	1
10110	1	1	1
10111	1	1	1
10112	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 14		Species : Rat			
Sex : Male				Dose : TPGME 100 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10201	1	1	1	1	1	1	0	0	
10202	1	1	1	1	0	0	0	0	
10203	1	1	1	1	0	0	0	0	
10204	1	1	1	1	0	0	0	0	
10205	1	1	1	1	0	0	0	0	
10206	1	1	1	1	0	0	0	0	
10207	1	1	1	1	0	0	0	0	
10208	1	1	1	1	0	0	0	0	
10209	1	1	1	1	0	0	0	0	
10210	1	1	1	1	0	0	0	0	
10211	1	1	1	1	0	0	0	0	
10212	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10201	1	1	1
10202	1	1	1
10203	1	1	1
10204	1	1	1
10205	1	1	1
10206	1	1	1
10207	1	1	1
10208	1	1	1
10209	1	1	1
10210	1	1	1
10211	1	1	1
10212	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 14		Species : Rat			
Sex : Male				Dose : TPGME 300 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10301	1	1	1	1	0	0	0	0	
10302	1	1	1	1	0	0	0	0	
10303	1	1	1	1	0	0	0	0	
10304	1	1	1	1	1	1	0	0	
10305	1	1	1	1	0	0	0	0	
10306	1	1	1	1	0	0	0	0	
10307	1	1	1	1	0	0	0	0	
10308	1	1	1	1	0	0	0	0	
10309	1	1	1	1	0	0	0	0	
10310	1	1	1	1	0	0	0	0	
10311	1	1	1	1	0	0	0	0	
10312	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10301	1	1	1
10302	1	1	1
10303	1	1	1
10304	1	1	1
10305	1	1	1
10306	1	1	1
10307	1	1	1
10308	1	1	1
10309	1	1	1
10310	1	1	1
10311	1	1	1
10312	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 14		Species : Rat			
Sex : Male				Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10401	1	1	1	1	0	0	0	0	
10402	1	1	1	1	0	0	0	0	
10403	1	1	1	1	0	0	0	0	
10404	1	1	1	1	0	1	0	0	
10405	1	1	1	1	0	0	0	0	
10406	1	1	1	1	0	0	0	0	
10407	1	1	1	1	0	0	0	0	
10408	1	1	1	1	0	0	0	0	
10409	1	1	1	1	0	0	0	0	
10410	1	1	1	1	0	0	0	0	
10411	1	1	1	1	0	0	0	0	
10412	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10401	1	1	1
10402	1	1	1
10403	1	1	1
10404	1	1	1
10405	1	1	1
10406	1	1	1
10407	1	1	1
10408	1	1	1
10409	1	1	1
10410	1	1	1
10411	1	1	1
10412	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Male				Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10101	1	1	1	1	1	1	0	0	
10102	1	1	1	1	0	0	0	0	
10103	1	1	1	1	0	0	0	0	
10104	1	1	1	1	0	0	0	0	
10105	1	1	1	1	0	0	0	0	
10106	1	1	1	1	0	0	0	0	
10107	1	1	1	1	0	0	0	0	
10108	1	1	1	1	0	0	0	0	
10109	1	1	1	1	0	0	0	0	
10110	1	1	1	1	0	0	0	0	
10111	1	1	1	1	0	0	0	0	
10112	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10101	1	1	1
10102	1	1	1
10103	1	1	1
10104	1	1	1
10105	1	1	1
10106	1	1	1
10107	1	1	1
10108	1	1	1
10109	1	1	1
10110	1	1	1
10111	1	1	1
10112	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Male				Dose : TPGME 100 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10201	1	1	1	1	1	1	0	0	
10202	1	1	1	1	0	0	0	0	
10203	1	1	1	1	0	0	0	0	
10204	1	1	1	1	0	0	0	0	
10205	1	1	1	1	0	0	0	0	
10206	1	1	1	1	0	1	0	0	
10207	1	1	1	1	0	0	0	0	
10208	1	1	1	1	0	0	0	0	
10209	1	1	1	1	0	0	0	0	
10210	1	1	1	1	0	0	0	0	
10211	1	1	1	1	0	0	0	0	
10212	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10201	1	1	1
10202	1	1	1
10203	1	1	1
10204	1	1	1
10205	1	1	1
10206	1	1	1
10207	1	1	1
10208	1	1	1
10209	1	1	1
10210	1	1	1
10211	1	1	1
10212	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Male				Dose : TPGME 300 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10301	1	1	1	1	0	0	0	0	
10302	1	1	1	1	0	0	0	0	
10303	1	1	1	1	0	0	0	0	
10304	1	1	1	1	1	1	0	0	
10305	1	1	1	1	0	0	0	0	
10306	1	1	1	1	0	0	0	0	
10307	1	1	1	1	0	0	0	0	
10308	1	1	1	1	0	0	0	0	
10309	1	1	1	1	0	0	0	0	
10310	1	1	1	1	0	0	0	0	
10311	1	1	1	1	0	0	0	0	
10312	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10301	1	1	1
10302	1	1	1
10303	1	1	1
10304	1	1	1
10305	1	1	1
10306	1	1	1
10307	1	1	1
10308	1	1	1
10309	1	1	1
10310	1	1	1
10311	1	1	1
10312	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Male				Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10401	1	1	1	1	0	0	0	0	
10402	1	1	1	1	0	0	0	0	
10403	1	1	1	1	0	0	0	0	
10404	1	1	1	1	0	0	0	0	
10405	1	1	1	1	0	0	0	0	
10406	1	1	1	1	0	0	0	0	
10407	1	1	1	1	0	0	0	0	
10408	1	1	1	1	0	0	0	0	
10409	1	1	1	1	0	0	0	0	
10410	1	1	1	1	0	0	0	0	
10411	1	1	1	1	1	1	0	0	
10412	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10401	1	1	1
10402	1	1	1
10403	1	1	1
10404	1	1	1
10405	1	1	1
10406	1	1	1
10407	1	1	1
10408	1	1	1
10409	1	1	1
10410	1	1	1
10411	1	1	1
10412	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Male				Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10101	1	1	1	1	0	0	0	0	
10102	1	1	1	1	0	0	0	0	
10103	1	1	1	1	0	0	0	0	
10104	1	1	1	1	0	0	0	0	
10105	1	1	1	1	0	0	0	0	
10106	1	1	1	1	0	0	0	0	
10107	1	1	1	1	0	0	0	0	
10108	1	1	1	1	0	0	0	0	
10109	1	1	1	1	0	0	0	0	
10110	1	1	1	1	0	0	0	0	
10111	1	1	1	1	0	0	0	0	
10112	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10101	1	1	1
10102	1	1	1
10103	1	1	1
10104	1	1	1
10105	1	1	1
10106	1	1	1
10107	1	1	1
10108	1	1	1
10109	1	1	1
10110	1	1	1
10111	1	1	1
10112	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Male				Dose : TPGME 100 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10201	1	1	1	1	1	0	0	0	
10202	1	1	1	1	0	0	0	0	
10203	1	1	1	1	0	0	0	0	
10204	1	1	1	1	0	0	0	0	
10205	1	1	1	1	0	0	0	0	
10206	1	1	1	1	0	0	0	0	
10207	1	1	1	1	1	0	0	0	
10208	1	1	1	1	0	0	0	0	
10209	1	1	1	1	0	0	0	0	
10210	1	1	1	1	0	0	0	0	
10211	1	1	1	1	1	0	0	0	
10212	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10201	1	1	1
10202	1	1	1
10203	1	1	1
10204	1	1	1
10205	1	1	1
10206	1	1	1
10207	1	1	1
10208	1	1	1
10209	1	1	1
10210	1	1	1
10211	1	1	1
10212	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Male				Dose : TPGME 300 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10301	1	1	1	1	0	0	0	0	
10302	1	1	1	1	0	0	0	0	
10303	1	1	1	1	0	0	0	0	
10304	1	1	1	1	0	0	0	0	
10305	1	1	1	1	0	0	0	0	
10306	1	1	1	1	0	0	0	0	
10307	1	1	1	1	0	0	0	0	
10308	1	1	1	1	0	0	0	0	
10309	1	1	1	1	0	0	0	0	
10310	1	1	1	1	0	0	0	0	
10311	1	1	1	1	0	0	0	0	
10312	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10301	1	1	1
10302	1	1	1
10303	1	1	1
10304	1	1	1
10305	1	1	1
10306	1	1	1
10307	1	1	1
10308	1	1	1
10309	1	1	1
10310	1	1	1
10311	1	1	1
10312	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Male				Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10401	1	1	1	1	0	0	0	0	
10402	1	1	1	1	0	0	0	0	
10403	1	1	1	1	0	0	0	0	
10404	1	1	1	1	0	0	0	0	
10405	1	1	1	1	0	0	0	0	
10406	1	1	1	1	0	0	0	0	
10407	1	1	1	1	0	0	0	0	
10408	1	1	1	1	0	0	0	0	
10409	1	1	1	1	0	0	0	0	
10410	1	1	1	1	0	0	0	0	
10411	1	1	1	1	0	0	0	0	
10412	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
10401	1	1	1
10402	1	1	1
10403	1	1	1
10404	1	1	1
10405	1	1	1
10406	1	1	1
10407	1	1	1
10408	1	1	1
10409	1	1	1
10410	1	1	1
10411	1	1	1
10412	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Female				Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	0	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	0	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	0	1	0	0	
50160	1	1	1	1	0	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Female				Dose : TPGME 100 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	0	0	
50252	1	1	1	1	0	0	0	0	
50253	1	1	1	1	0	0	0	0	
50254	1	1	1	1	0	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	0	0	0	0	
50261	1	1	1	1	1	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Female				Dose : TPGME 300 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	0	0	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	1	1	0	0	
50354	1	1	1	1	1	1	0	0	
50355	1	1	1	1	0	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	0	0	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	1	0	0	0	
50361	1	1	1	1	0	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Female				Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	0	0	0	0	
50452	1	1	1	1	0	0	0	0	
50453	1	1	1	1	0	0	0	0	
50454	1	1	1	1	0	0	0	0	
50455	1	1	1	1	0	0	0	0	
50456	1	1	1	1	0	0	0	0	
50457	1	1	1	1	0	1	0	0	
50458	1	1	1	1	0	0	0	0	
50459	1	1	1	1	1	1	0	0	
50460	1	1	1	1	0	0	0	0	
50461	1	1	1	1	0	0	0	0	
50462	1	1	1	1	1	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50452	1	1	1
50453	1	1	1
50454	1	1	1
50455	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 7		Species : Rat			
Sex : Female				Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	1	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	0	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	1	1	0	0	
50160	1	1	1	1	1	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 7		Species : Rat			
Sex : Female				Dose : TPGME 100 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	0	0	
50252	1	1	1	1	0	0	0	0	
50253	1	1	1	1	0	0	0	0	
50254	1	1	1	1	0	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	1	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	1	0	0	0	
50261	1	1	1	1	1	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 7		Species : Rat				
Sex : Female			Dose : TPGME 300 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	1	0	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	1	1	0	0	
50354	1	1	1	1	1	0	0	0	
50355	1	1	1	1	0	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	1	0	0	0	
50358	1	1	1	1	0	0	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	0	0	0	0	
50361	1	1	1	1	0	0	0	0	
50362	1	1	1	1	1	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 7		Species : Rat				
Sex : Female			Dose : TPGME 1000 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	0	0	0	0	
50452	1	1	1	1	1	0	0	0	
50453	1	1	1	1	1	0	0	0	
50454	1	1	1	1	1	0	0	0	
50455	1	1	1	1	1	0	0	0	
50456	1	1	1	1	1	0	0	0	
50457	1	1	1	1	0	0	0	0	
50458	1	1	1	1	1	0	0	0	
50459	1	1	1	1	1	0	0	0	
50460	1	1	1	1	1	0	0	0	
50461	1	1	1	1	1	0	0	0	
50462	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50452	1	1	1
50453	1	1	1
50454	1	1	1
50455	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 14		Species : Rat				
Sex : Female			Dose : TPGME 0 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	1	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	0	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	0	0	0	0	
50160	1	1	1	1	0	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 14		Species : Rat			
Sex : Female				Dose : TPGME 100 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	0	0	
50252	1	1	1	1	0	0	0	0	
50253	1	1	1	1	0	0	0	0	
50254	1	1	1	1	0	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	1	0	0	0	
50261	1	1	1	1	0	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 14		Species : Rat				
Sex : Female			Dose : TPGME 300 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	1	0	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	0	0	0	0	
50354	1	1	1	1	1	0	0	0	
50355	1	1	1	1	0	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	0	0	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	1	0	0	0	
50361	1	1	1	1	0	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 14		Species : Rat			
Sex : Female				Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	0	0	0	0	
50452	1	1	1	1	1	0	0	0	
50453	1	1	1	1	0	0	0	0	
50454	1	1	1	1	0	0	0	0	
50455	1	1	1	1	0	0	0	0	
50456	1	1	1	1	1	0	0	0	
50457	1	1	1	1	0	0	0	0	
50458	1	1	1	1	0	0	0	0	
50459	1	1	1	1	0	0	0	0	
50460	1	1	1	1	1	0	0	0	
50461	1	1	1	1	0	0	0	0	
50462	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50452	1	1	1
50453	1	1	1
50454	1	1	1
50455	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Female				Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	1	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	0	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	1	1	0	0	
50160	1	1	1	1	0	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Female				Dose : TPGME 100 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	0	0	
50252	1	1	1	1	0	0	0	0	
50253	1	1	1	1	0	0	0	0	
50254	1	1	1	1	0	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	0	0	0	0	
50261	1	1	1	1	0	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 21		Species : Rat			
Sex : Female				Dose : TPGME 300 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	1	0	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	1	0	0	0	
50354	1	1	1	1	1	0	0	0	
50355	1	1	1	1	0	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	0	0	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	0	0	0	0	
50361	1	1	1	1	0	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 21		Species : Rat				
Sex : Female			Dose : TPGME 1000 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	0	0	0	0	
50452	1	1	1	1	0	0	0	0	
50453	1	1	1	1	0	0	0	0	
50454	1	1	1	1	0	0	0	0	
50455	1	1	1	1	1	0	0	0	
50456	1	1	1	1	1	0	0	0	
50457	1	1	1	1	0	0	0	0	
50458	1	1	1	1	0	0	0	0	
50459	1	1	1	1	1	0	0	0	
50460	1	1	1	1	0	0	0	0	
50461	1	1	1	1	1	0	0	0	
50462	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50452	1	1	1
50453	1	1	1
50454	1	1	1
50455	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Female				Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	0	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	0	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	1	0	0	0	
50160	1	1	1	1	0	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Female				Dose : TPGME 100 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	0	0	
50252	1	1	1	1	0	0	0	0	
50253	1	1	1	1	0	0	0	0	
50254	1	1	1	1	0	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	0	0	0	0	
50261	1	1	1	1	0	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 28		Species : Rat			
Sex : Female				Dose : TPGME 300 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	1	0	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	1	0	0	0	
50354	1	1	1	1	0	0	0	0	
50355	1	1	1	1	0	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	0	0	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	0	0	0	0	
50361	1	1	1	1	0	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 28			Species : Rat			
Sex : Female			Dose : TPGME 1000 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	1	0	0	0	
50452	1	1	1	1	0	0	0	0	
50453	1	1	1	1	0	0	0	0	
50454	1	1	1	1	0	0	0	0	
50455	1	1	1	1	1	0	0	0	
50456	1	1	1	1	1	0	0	0	
50457	1	1	1	1	0	0	0	0	
50458	1	1	1	1	0	0	0	0	
50459	1	1	1	1	1	0	0	0	
50460	1	1	1	1	1	0	0	0	
50461	1	1	1	1	1	0	0	0	
50462	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50452	1	1	1
50453	1	1	1
50454	1	1	1
50455	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 35		Species : Rat			
Sex : Female				Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	0	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	0	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	1	1	0	0	
50160	1	1	1	1	0	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 35		Species : Rat			
Sex : Female				Dose : TPGME 100 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	0	0	
50252	1	1	1	1	0	0	0	0	
50253	1	1	1	1	0	0	0	0	
50254	1	1	1	1	0	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	0	0	0	0	
50261	1	1	1	1	0	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 35		Species : Rat			
Sex : Female				Dose : TPGME 300 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	1	0	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	1	0	0	0	
50354	1	1	1	1	1	0	0	0	
50355	1	1	1	1	0	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	0	0	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	0	0	0	0	
50361	1	1	1	1	0	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 35		Species : Rat				
Sex : Female			Dose : TPGME 1000 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	0	0	0	0	
50452	1	1	1	1	1	1	0	0	
50453	1	1	1	1	0	0	0	0	
50454	1	1	1	1	1	0	0	0	
50455	1	1	1	1	1	0	0	0	
50456	1	1	1	1	1	0	0	0	
50457	1	1	1	1	0	0	0	0	
50458	1	1	1	1	0	0	0	0	
50459	1	1	1	1	1	0	0	0	
50460	1	1	1	1	1	0	0	0	
50461	1	1	1	1	1	1	0	0	
50462	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50452	1	1	1
50453	1	1	1
50454	1	1	1
50455	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 42		Species : Rat			
Sex : Female				Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	0	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	0	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	1	1	0	0	
50160	1	1	1	1	0	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 42		Species : Rat			
Sex : Female				Dose : TPGME 100 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	0	0	
50252	1	1	1	1	0	0	0	0	
50253	1	1	1	1	0	0	0	0	
50254	1	1	1	1	0	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	0	0	0	0	
50261	1	1	1	1	0	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 42		Species : Rat			
Sex : Female				Dose : TPGME 300 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	1	0	0	0	
50352	1	1	1	1	0	0	0	0	
50353	1	1	1	1	1	0	0	0	
50354	1	1	1	1	0	0	0	0	
50355	1	1	1	1	0	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	0	0	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	0	0	0	0	
50361	1	1	1	1	0	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 42		Species : Rat				
Sex : Female			Dose : TPGME 1000 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	1	0	0	0	
50452	1	1	1	1	1	0	0	0	
50454	1	1	1	1	1	0	0	0	
50455	1	1	1	1	0	0	0	0	
50456	1	1	1	1	0	0	0	0	
50457	1	1	1	1	0	0	0	0	
50458	1	1	1	1	0	0	0	0	
50459	1	1	1	1	1	0	0	0	
50460	1	1	1	1	1	0	0	0	
50461	1	1	1	1	1	0	0	0	
50462	1	1	1	1	0	0	0	0	
n	11	11	11	11	11	11	11	11	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50452	1	1	1
50454	1	1	1
50455	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	11	11	11

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Day 49		Species : Rat			
Sex : Female				Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50151	1	1	1	1	0	0	0	0	
50152	1	1	1	1	0	0	0	0	
50153	1	1	1	1	0	0	0	0	
50154	1	1	1	1	0	0	0	0	
50155	1	1	1	1	0	0	0	0	
50156	1	1	1	1	0	0	0	0	
50157	1	1	1	1	0	0	0	0	
50158	1	1	1	1	0	0	0	0	
50159	1	1	1	1	1	1	0	0	
50160	1	1	1	1	0	0	0	0	
50161	1	1	1	1	0	0	0	0	
50162	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50151	1	1	1
50152	1	1	1
50153	1	1	1
50154	1	1	1
50155	1	1	1
50156	1	1	1
50157	1	1	1
50158	1	1	1
50159	1	1	1
50160	1	1	1
50161	1	1	1
50162	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 49		Species : Rat				
Sex : Female			Dose : TPGME 100 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50251	1	1	1	1	0	0	0	0	
50252	1	1	1	1	0	0	0	0	
50253	1	1	1	1	0	0	0	0	
50254	1	1	1	1	0	0	0	0	
50255	1	1	1	1	0	0	0	0	
50256	1	1	1	1	0	0	0	0	
50257	1	1	1	1	0	0	0	0	
50258	1	1	1	1	0	0	0	0	
50259	1	1	1	1	0	0	0	0	
50260	1	1	1	1	1	0	0	0	
50261	1	1	1	1	0	0	0	0	
50262	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50251	1	1	1
50252	1	1	1
50253	1	1	1
50254	1	1	1
50255	1	1	1
50256	1	1	1
50257	1	1	1
50258	1	1	1
50259	1	1	1
50260	1	1	1
50261	1	1	1
50262	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 49		Species : Rat				
Sex : Female			Dose : TPGME 300 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50351	1	1	1	1	0	0	0	0	
50352	1	1	1	1	1	0	0	0	
50353	1	1	1	1	1	1	0	0	
50354	1	1	1	1	0	0	0	0	
50355	1	1	1	1	1	0	0	0	
50356	1	1	1	1	0	0	0	0	
50357	1	1	1	1	0	0	0	0	
50358	1	1	1	1	0	0	0	0	
50359	1	1	1	1	0	0	0	0	
50360	1	1	1	1	0	0	0	0	
50361	1	1	1	1	0	0	0	0	
50362	1	1	1	1	0	0	0	0	
n	12	12	12	12	12	12	12	12	

Animal No.	Walking backward	Vocalization	Aggression
50351	1	1	1
50352	1	1	1
50353	1	1	1
50354	1	1	1
50355	1	1	1
50356	1	1	1
50357	1	1	1
50358	1	1	1
50359	1	1	1
50360	1	1	1
50361	1	1	1
50362	1	1	1
n	12	12	12

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 49		Species : Rat				
Sex : Female			Dose : TPGME 1000 mg/kg						
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50451	1	1	1	1	0	0	0	0	
50452	1	1	1	1	1	0	0	0	
50454	1	1	1	1	0	0	0	0	
50455	1	1	1	1	1	0	0	0	
50456	1	1	1	1	1	0	0	0	
50457	1	1	1	1	0	0	0	0	
50458	1	1	1	1	0	0	0	0	
50459	1	1	1	1	1	0	0	0	
50460	1	1	1	1	1	0	0	0	
50461	1	1	1	1	0	0	0	0	
50462	1	1	1	1	0	0	0	0	
n	11	11	11	11	11	11	11	11	

Animal No.	Walking backward	Vocalization	Aggression
50451	1	1	1
50452	1	1	1
50454	1	1	1
50455	1	1	1
50456	1	1	1
50457	1	1	1
50458	1	1	1
50459	1	1	1
50460	1	1	1
50461	1	1	1
50462	1	1	1
n	11	11	11

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Pre		Species : Rat			
Sex : Female (satellite)				Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
50551	1	1	1	1	0	0	0	0	
50552	1	1	1	1	0	0	0	0	
50553	1	1	1	1	0	0	0	0	
50554	1	1	1	1	1	0	0	0	
50555	1	1	1	1	0	0	0	0	
50556	1	1	1	1	0	0	0	0	
50557	1	1	1	1	0	0	0	0	
50558	1	1	1	1	0	0	0	0	
50559	1	1	1	1	0	0	0	0	
50560	1	1	1	1	0	0	0	0	
n	10	10	10	10	10	10	10	10	

Animal No.	Walking backward	Vocalization	Aggression
50551	1	1	1
50552	1	1	1
50553	1	1	1
50554	1	1	1
50555	1	1	1
50556	1	1	1
50557	1	1	1
50558	1	1	1
50559	1	1	1
50560	1	1	1
n	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Pre		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50651	1	1	1	1	1	0	0	0
50652	1	1	1	1	0	1	0	0
50653	1	1	1	1	0	0	0	0
50654	1	1	1	1	0	0	0	0
50655	1	1	1	1	1	0	0	0
50656	1	1	1	1	0	0	0	0
50657	1	1	1	1	0	0	0	0
50658	1	1	1	1	0	0	0	0
50659	1	1	1	1	0	0	0	0
50660	1	1	1	1	0	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50651	1	1	1
50652	1	1	1
50653	1	1	1
50654	1	1	1
50655	1	1	1
50656	1	1	1
50657	1	1	1
50658	1	1	1
50659	1	1	1
50660	1	1	1
n	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 7		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50551	1	1	1	1	0	0	0	0
50552	1	1	1	1	0	0	0	0
50553	1	1	1	1	0	0	0	0
50554	1	1	1	1	0	0	0	0
50555	1	1	1	1	0	0	0	0
50556	1	1	1	1	0	0	0	0
50557	1	1	1	1	0	0	0	0
50558	1	1	1	1	0	0	0	0
50559	1	1	1	1	0	0	0	0
50560	1	1	1	1	0	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50551	1	1	1
50552	1	1	1
50553	1	1	1
50554	1	1	1
50555	1	1	1
50556	1	1	1
50557	1	1	1
50558	1	1	1
50559	1	1	1
50560	1	1	1
n	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 7		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50651	1	1	1	1	0	0	0	0
50652	1	0	1	1	0	0	0	0
50653	1	1	1	1	0	0	0	0
50654	1	1	1	1	0	0	0	0
50655	1	1	1	1	0	0	0	0
50656	1	1	1	1	0	0	0	0
50657	1	1	1	1	0	0	0	0
50658	1	1	1	1	0	0	0	0
50659	1	1	1	1	0	0	0	0
50660	1	1	1	1	0	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50651	1	1	1
50652	1	1	1
50653	1	1	1
50654	1	1	1
50655	1	1	1
50656	1	1	1
50657	1	1	1
50658	1	1	1
50659	1	1	1
50660	1	1	1
n	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 14		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50551	1	1	1	1	1	0	0	0
50552	1	1	1	1	0	0	0	0
50553	1	1	1	1	1	0	0	0
50554	1	1	1	1	0	0	0	0
50555	1	1	1	1	0	0	0	0
50556	1	1	1	1	0	0	0	0
50557	1	1	1	1	0	0	0	0
50558	1	1	1	1	0	0	0	0
50559	1	1	1	1	0	0	0	0
50560	1	1	1	1	0	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50551	1	1	1
50552	1	1	1
50553	1	1	1
50554	1	1	1
50555	1	1	1
50556	1	1	1
50557	1	1	1
50558	1	1	1
50559	1	1	1
50560	1	1	1
n	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 14		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50651	1	1	1	1	0	0	0	0
50652	1	1	1	1	1	0	0	0
50653	1	1	1	1	1	0	0	0
50654	1	1	1	1	1	0	0	0
50655	1	1	1	1	1	0	0	0
50656	1	1	1	1	0	0	0	0
50657	1	1	1	1	0	0	0	0
50658	1	1	1	1	0	0	0	0
50659	1	1	1	1	0	0	0	0
50660	1	1	1	1	0	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50651	1	1	1
50652	1	1	1
50653	1	1	1
50654	1	1	1
50655	1	1	1
50656	1	1	1
50657	1	1	1
50658	1	1	1
50659	1	1	1
50660	1	1	1
n	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 21		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50551	1	1	1	1	0	0	0	0
50552	1	1	1	1	0	0	0	0
50553	1	1	1	1	0	0	0	0
50554	1	1	1	1	0	0	0	0
50555	1	1	1	1	0	0	0	0
50556	1	1	1	1	0	0	0	0
50557	1	1	1	1	0	0	0	0
50558	1	1	1	1	0	0	0	0
50559	1	1	1	1	0	0	0	0
50560	1	1	1	1	0	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50551	1	1	1
50552	1	1	1
50553	1	1	1
50554	1	1	1
50555	1	1	1
50556	1	1	1
50557	1	1	1
50558	1	1	1
50559	1	1	1
50560	1	1	1
n	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 21		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50651	1	0	1	1	1	0	0	0
50652	1	1	1	1	0	0	0	0
50653	1	1	1	1	0	0	0	0
50654	1	1	1	1	0	0	0	0
50655	1	1	1	1	1	0	0	0
50656	1	1	1	1	0	0	0	0
50657	1	1	1	1	0	0	0	0
50658	1	1	1	1	0	0	0	0
50659	1	1	1	1	0	0	0	0
50660	1	1	1	1	0	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50651	1	1	1
50652	1	1	1
50653	1	1	1
50654	1	1	1
50655	1	1	1
50656	1	1	1
50657	1	1	1
50658	1	1	1
50659	1	1	1
50660	1	1	1
n	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 28		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50551	1	1	1	1	0	0	0	0
50552	1	1	1	1	0	0	0	0
50553	1	1	1	1	0	0	0	0
50554	1	1	1	1	0	0	0	0
50555	1	1	1	1	0	0	0	0
50556	1	1	1	1	0	0	0	0
50557	1	1	1	1	0	0	0	0
50558	1	1	1	1	1	0	0	0
50559	1	1	1	1	0	0	0	0
50560	1	1	1	1	0	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50551	1	1	1
50552	1	1	1
50553	1	1	1
50554	1	1	1
50555	1	1	1
50556	1	1	1
50557	1	1	1
50558	1	1	1
50559	1	1	1
50560	1	1	1
n	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Day 28		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50651	1	1	1	1	1	0	0	0
50652	1	1	1	1	0	0	0	0
50653	1	1	1	1	0	0	0	0
50654	1	1	1	1	0	0	0	0
50655	1	1	1	1	0	0	0	0
50656	1	1	1	1	1	0	0	0
50657	1	1	1	1	0	0	0	0
50658	1	1	1	1	0	0	0	0
50659	1	1	1	1	0	0	0	0
50660	1	1	1	1	0	0	0	0
n	10	10	10	10	10	10	10	10

Animal No.	Walking backward	Vocalization	Aggression
50651	1	1	1
50652	1	1	1
50653	1	1	1
50654	1	1	1
50655	1	1	1
50656	1	1	1
50657	1	1	1
50658	1	1	1
50659	1	1	1
50660	1	1	1
n	10	10	10

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Recovery Day 7		Species : Rat			
Sex : Male			Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
10102	1	1	1	1	0	0	0	0
10103	1	1	1	1	0	0	0	0
10109	1	1	1	1	0	0	0	0
10110	1	1	1	1	0	0	0	0
10112	1	1	1	1	0	0	0	0
n	5	5	5	5	5	5	5	5

Animal No.	Walking backward	Vocalization	Aggression
10102	1	1	1
10103	1	1	1
10109	1	1	1
10110	1	1	1
10112	1	1	1
n	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Recovery Day 7		Species : Rat			
Sex : Male				Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	
10402	1	1	1	1	0	0	0	0	
10404	1	1	1	1	0	0	0	0	
10405	1	1	1	1	0	0	0	0	
10406	1	1	1	1	0	0	0	0	
10409	1	1	1	1	0	0	0	0	
n	5	5	5	5	5	5	5	5	

Animal No.	Walking backward	Vocalization	Aggression
10402	1	1	1
10404	1	1	1
10405	1	1	1
10406	1	1	1
10409	1	1	1
n	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Recovery Day 14		Species : Rat			
Sex : Male			Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
10102	1	1	1	1	0	0	0	0
10103	1	1	1	1	0	0	0	0
10109	1	1	1	1	0	0	0	0
10110	1	1	1	1	0	0	0	0
10112	1	1	1	1	0	0	0	0
n	5	5	5	5	5	5	5	5

Animal No.	Walking backward	Vocalization	Aggression
10102	1	1	1
10103	1	1	1
10109	1	1	1
10110	1	1	1
10112	1	1	1
n	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Recovery Day 14		Species : Rat			
Sex : Male			Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
10402	1	1	1	1	0	0	0	0
10404	1	1	1	1	0	0	0	0
10405	1	1	1	1	0	0	0	0
10406	1	1	1	1	0	0	0	0
10409	1	1	1	1	0	0	0	0
n	5	5	5	5	5	5	5	5

Animal No.	Walking backward	Vocalization	Aggression
10402	1	1	1
10404	1	1	1
10405	1	1	1
10406	1	1	1
10409	1	1	1
n	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Recovery Day 7		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50556	1	1	1	1	0	0	0	0
50557	1	1	1	1	0	0	0	0
50558	1	1	1	1	0	0	0	0
50559	1	1	1	1	0	0	0	0
50560	1	1	1	1	0	0	0	0
n	5	5	5	5	5	5	5	5

Animal No.	Walking backward	Vocalization	Aggression
50556	1	1	1
50557	1	1	1
50558	1	1	1
50559	1	1	1
50560	1	1	1
n	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Recovery Day 7		Species : Rat			
Sex : Female (satellite)			Dose : TPGME 1000 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50656	1	1	1	1	0	0	0	0
50657	1	1	1	1	0	0	0	0
50658	1	1	1	1	0	0	0	0
50659	1	1	1	1	0	0	0	0
50660	1	1	1	1	0	0	0	0
n	5	5	5	5	5	5	5	5

Animal No.	Walking backward	Vocalization	Aggression
50656	1	1	1
50657	1	1	1
50658	1	1	1
50659	1	1	1
50660	1	1	1
n	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)			Stage : Recovery Day 14			Species : Rat		
Sex : Female (satellite)			Dose : TPGME 0 mg/kg					
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50556	1	1	1	1	0	0	0	0
50557	1	1	1	1	0	0	0	0
50558	1	1	1	1	0	0	0	0
50559	1	1	1	1	0	0	0	0
50560	1	1	1	1	0	0	0	0
n	5	5	5	5	5	5	5	5

Animal No.	Walking backward	Vocalization	Aggression
50556	1	1	1
50557	1	1	1
50558	1	1	1
50559	1	1	1
50560	1	1	1
n	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Detailed clinical observation (in the open field)				Stage : Recovery Day 14		Species : Rat		
Sex : Female (satellite)				Dose : TPGME 1000 mg/kg				
Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement
50656	1	1	1	1	0	0	0	0
50657	1	1	1	1	0	0	0	0
50658	1	1	1	1	0	0	0	0
50659	1	1	1	1	0	0	0	0
50660	1	1	1	1	0	0	0	0
n	5	5	5	5	5	5	5	5

Animal No.	Walking backward	Vocalization	Aggression
50656	1	1	1
50657	1	1	1
50658	1	1	1
50659	1	1	1
50660	1	1	1
n	5	5	5

Gait) 0;Not moved, 1;Normal, 2; Difficult to walk, 3;Unable to walk, paralytic.

Co-ordination of movement) 0;Staggering (ataxic), 1;Normal.

Reactivity to stimuli) 0;Not present, 1;Present (to noise, etc.).

Searching) 0;Not present, 1;Present (sniffing, standing, etc.).

Urination) 0;Not present, 1;Present.

Defecation) 0;Not present, 1;Present.

Stereotype/Excessive grooming) 0;Not present, 1;Sometimes, 2;Frequently.

Stereotype/Unusual head movement) 0;Not present, 1;Sometimes, 2;Frequently.

Bizarre behavior/Walking backward) 1;Not present, 2;Present.

Bizarre behavior/Vocalization) 1;Not present, sometimes, 2;Present, frequently.

Aggression) 1;Not present, 2;Present.

Animal No.	Functional observations (on the desk)			Stage : Week 4			Species : Rat
	Sex : Male			Dose : TPGME 0 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
10102	4	2	1	2	1	1	
10103	4	2	1	2	1	1	
10109	4	2	1	2	1	1	
10110	4	2	1	2	1	1	
10112	4	2	1	2	1	1	
n	5	5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Animal No.	Functional observations (on the desk)			Stage : Week 4			Species : Rat
	Sex : Male			Dose : TPGME 100 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
10202	4	2	1	2	1	1	
10204	4	2	1	2	1	1	
10205	4	2	1	2	1	1	
10207	4	2	1	2	1	1	
10212	4	2	1	2	1	1	
n	5	5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Animal No.	Functional observations (on the desk)			Stage : Week 4			Species : Rat
	Sex : Male			Dose : TPGME 300 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
10301	4	2	1	2	1	1	
10302	4	2	1	2	1	1	
10304	4	2	1	2	1	1	
10306	4	2	1	2	1	1	
10309	4	2	1	2	1	1	
n	5	5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Animal No.	Functional observations (on the desk)			Stage : Week 4			Species : Rat
	Sex : Male			Dose : TPGME 1000 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
10402	4	2	1	2	1	1	
10404	4	2	1	2	1	1	
10405	4	2	1	2	1	1	
10406	4	2	1	2	1	1	
10409	4	2	1	2	1	1	
n	5	5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Animal No.	Functional observations (on the desk)			Stage : Lactation day 13			Species : Rat
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
50152	4	2	1	2	1	1	
50153	4	2	1	2	1	1	
50158	4	2	1	2	1	1	
50159	4	2	1	2	1	1	
50160	4	2	1	2	1	1	
n	5	5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Functional observations (on the desk)				Stage : Lactation day 13			Species : Rat
Sex : Female				Dose : TPGME 100 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
Animal No.							
50252	4	2	1	2	1	1	
50253	4	2	1	2	1	1	
50256	4	2	1	2	1	1	
50258	4	2	1	2	1	1	
50261	4	2	1	2	1	1	
n	5	5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Animal No.	Functional observations (on the desk)			Stage : Lactation day 13			Species : Rat
	Sex : Female			Dose : TPGME 300 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
50351	4	2	1	2	1	1	
50354	4	2	1	2	1	1	
50355	4	2	1	2	1	1	
50357	4	2	1	2	1	1	
50360	4	2	1	2	1	1	
n	5	5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Animal No.	Functional observations (on the desk)			Stage : Lactation day 13			Species : Rat
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
50451	4	2	1	2	1	1	
50454	4	2	1	2	1	1	
50456	4	2	1	2	1	1	
50457	4	2	1	2	1	1	
50458	4	2	1	2	1	1	
n	5	5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Functional observations (on the desk)				Stage : Week 4			Species : Rat
Sex : Female (satellite)				Dose : TPGME 0 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
Animal No.							
50556	4	2	1	2	1	1	
50557	4	2	1	2	1	1	
50558	4	2	1	2	1	1	
50559	4	2	1	2	1	1	
50560	4	2	1	2	1	1	
n	5	5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Functional observations (on the desk)				Stage : Week 4			Species : Rat
Sex : Female (satellite)				Dose : TPGME 1000 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
Animal No.							
50656	4	2	1	2	1	1	
50657	4	2	1	2	1	1	
50658	4	2	1	2	1	1	
50659	4	2	1	2	1	1	
50660	4	2	1	2	1	1	
n	5	5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Animal No.	Functional observations (on the desk)			Stage : Recovery week 2			Species : Rat
	Sex : Female (satellite)			Dose : TPGME 0 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
50556	4	2	1	2	1	1	
50557	4	2	1	2	1	1	
50558	4	2	1	2	1	1	
50559	4	2	1	2	1	1	
50560	4	2	1	2	1	1	
n	5	5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Functional observations (on the desk)				Stage : Recovery week 2			Species : Rat
Sex : Female (satellite)				Dose : TPGME 1000 mg/kg			
	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex	
Animal No.							
50656	4	2	1	2	1	1	
50657	4	2	1	2	1	1	
50658	4	2	1	2	1	1	
50659	4	2	1	2	1	1	
50660	4	2	1	2	1	1	
n	5	5	5	5	5	5	

Visual reactivity) 1;Jumping, 2;Turning away, 3;No reaction, 4;Approach, 5;Attack.

Touch reactivity) 1;Hyposensitive, 2;Turning away, 3;Hypersensitive.

Auditory reactivity) 0;No reaction, 1;Normal, moving the auricle, 2;Sensitive, moving the body, 3;Hypersensitive, surprising and jumping.

Pain reactivity) 0;No reaction, 1;Dull, vocalizing, 2;Normal, vocalizing and turning back, 3;Hypersensitive, attacking or jumping.

Proprioceptive reactivity) 0;No returning, 1;Returning.

Righting reflex) 1;Normal, landing by foot, 2;Abnormal, landing by body.

Grip strength				Stage : Week 4					Species : Rat
Sex : Male				Dose : TPGME 0 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
10102	1087	1318	1145	1183.3	322	432	357	370.3	
10103	1253	1216	1277	1248.7	350	372	414	378.7	
10109	1103	1024	1019	1048.7	337	322	351	336.7	
10110	1012	889	1128	1009.7	341	359	334	344.7	
10112	1049	930	988	989.0	413	404	409	408.7	
n	5	5	5	5	5	5	5	5	
Mean	1100.8	1075.4	1111.4	1095.88	352.6	377.8	373.0	367.82	
S.D.	92.1	185.2	114.7	114.10	35.2	42.2	36.2	28.72	

Animal No.	Grip strength			Stage : Week 4					Species : Rat
	Sex : Male			Dose : TPGME 100 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
	g	g	g	g	g	g	g	g	
10202	1049	1304	1153	1168.7	384	366	398	382.7	
10204	909	973	811	897.7	418	402	359	393.0	
10205	1172	1079	1134	1128.3	410	417	408	411.7	
10207	995	1081	1096	1057.3	369	348	387	368.0	
10212	953	1066	978	999.0	336	331	340	335.7	
n	5	5	5	5	5	5	5	5	
Mean	1015.6	1100.6	1034.4	1050.20	383.4	372.8	378.4	378.22	
S.D.	101.6	122.2	142.2	107.32	33.0	36.1	28.2	28.60	

Animal No.	Grip strength			Stage : Week 4				Species : Rat
	Sex : Male			Dose : TPGME 300 mg/kg				
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	
	g	g	g	g	g	g	g	g
10301	997	963	1009	989.7	364	399	386	383.0
10302	1030	1088	1180	1099.3	407	375	380	387.3
10304	994	960	1107	1020.3	402	385	333	373.3
10306	1175	964	1020	1053.0	429	425	457	437.0
10309	1099	997	898	998.0	356	368	387	370.3
n	5	5	5	5	5	5	5	5
Mean	1059.0	994.4	1042.8	1032.06	391.6	390.4	388.6	390.18
S.D.	77.4	54.5	106.7	44.87	30.7	22.6	44.3	27.07

Animal No.	Grip strength			Stage : Week 4				Species : Rat
	Sex : Male			Dose : TPGME 1000 mg/kg				
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	
	g	g	g	g	g	g	g	g
10402	906	949	956	937.0	401	334	411	382.0
10404	1021	992	1002	1005.0	368	414	415	399.0
10405	945	858	1010	937.7	343	327	385	351.7
10406	664	837	890	797.0	317	368	316	333.7
10409	1182	1017	1030	1076.3	393	369	417	393.0
n	5	5	5	5	5	5	5	5
Mean	943.6	930.6	977.6	950.60	364.4	362.4	388.8	371.88
S.D.	188.7	80.0	56.0	103.32	34.9	34.6	42.7	28.06

Grip strength				Stage : Lactation day 13					Species : Rat
Sex : Female				Dose : TPGME 0 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
50152	1324	1013	1144	1160.3	359	355	358	357.3	
50153	1127	1160	1254	1180.3	495	467	479	480.3	
50158	1399	1285	1232	1305.3	371	440	366	392.3	
50159	1193	1289	1342	1274.7	373	475	466	438.0	
50160	1134	1001	994	1043.0	406	356	362	374.7	
n	5	5	5	5	5	5	5	5	
Mean	1235.4	1149.6	1193.2	1192.72	400.8	418.6	406.2	408.52	
S.D.	120.9	140.2	131.8	103.70	55.5	59.0	60.8	50.13	

Grip strength				Stage : Lactation day 13					Species : Rat
Sex : Female				Dose : TPGME 100 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
50252	1300	1268	1238	1268.7	376	348	405	376.3	
50253	1044	1121	1126	1097.0	406	491	487	461.3	
50256	1136	1157	1171	1154.7	395	427	386	402.7	
50258	1021	1068	1078	1055.7	465	446	416	442.3	
50261	1491	1420	1232	1381.0	386	421	439	415.3	
n	5	5	5	5	5	5	5	5	
Mean	1198.4	1206.8	1169.0	1191.42	405.6	426.6	426.6	419.58	
S.D.	196.9	139.9	68.7	132.85	35.0	51.8	38.8	33.29	

Grip strength				Stage : Lactation day 13					Species : Rat
Sex : Female				Dose : TPGME 300 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
50351	1200	1119	1134	1151.0	473	394	400	422.3	
50354	1309	1227	1276	1270.7	443	448	377	422.7	
50355	1342	1500	1364	1402.0	460	477	460	465.7	
50357	1213	1238	1184	1211.7	433	402	372	402.3	
50360	1024	902	1068	998.0	394	402	442	412.7	
n	5	5	5	5	5	5	5	5	
Mean	1217.6	1197.2	1205.2	1206.68	440.6	424.6	410.2	425.14	
S.D.	124.1	216.5	116.8	149.10	30.3	36.2	39.2	24.16	

Grip strength				Stage : Lactation day 13					Species : Rat
Sex : Female				Dose : TPGME 1000 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
50451	939	957	933	943.0	374	347	417	379.3	
50454	734	941	876	850.3	353	383	347	361.0	
50456	921	1005	892	939.3	395	382	412	396.3	
50457	860	1027	917	934.7	403	438	404	415.0	
50458	931	885	937	917.7	393	382	406	393.7	
n	5	5	5	5	5	5	5	5	
Mean	877.0	963.0	911.0	917.00	383.6	386.4	397.2	389.06	
S.D.	85.8	55.8	26.4	38.52	20.1	32.7	28.5	20.18	

Grip strength				Stage : Week 4					Species : Rat
Sex : Female (satellite)				Dose : TPGME 0 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
50556	917	1011	1094	1007.3	399	336	347	360.7	
50557	942	857	815	871.3	324	350	376	350.0	
50558	775	971	814	853.3	349	351	333	344.3	
50559	922	950	906	926.0	310	321	355	328.7	
50560	849	1010	919	926.0	316	353	319	329.3	
n	5	5	5	5	5	5	5	5	
Mean	881.0	959.8	909.6	916.78	339.6	342.2	346.0	342.60	
S.D.	68.8	63.1	114.2	60.13	36.4	13.6	21.7	13.74	

Grip strength				Stage : Week 4					Species : Rat
Sex : Female (satellite)				Dose : TPGME 1000 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
Animal No.	g	g	g	g	g	g	g	g	
50656	1029	831	723	861.0	336	332	342	336.7	
50657	934	811	799	848.0	337	409	338	361.3	
50658	903	761	807	823.7	341	303	351	331.7	
50659	820	740	796	785.3	344	346	394	361.3	
50660	582	683	594	619.7	292	302	296	296.7	
n	5	5	5	5	5	5	5	5	
Mean	853.6	765.2	743.8	787.54	330.0	338.4	344.2	337.54	
S.D.	169.2	58.8	90.3	98.15	21.5	43.8	35.0	26.61	

Animal No.	Grip strength			Stage : Recovery week 2					Species : Rat
	Sex : Female (satellite)			Dose : TPGME 0 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
	g	g	g	g	g	g	g	g	
50556	1272	1429	1510	1403.7	626	643	543	604.0	
50557	1256	1368	1229	1284.3	431	398	503	444.0	
50558	1355	1149	1294	1266.0	430	444	480	451.3	
50559	1307	1044	1269	1206.7	515	481	517	504.3	
50560	1107	1154	1365	1208.7	475	484	460	473.0	
n	5	5	5	5	5	5	5	5	
Mean	1259.4	1228.8	1333.4	1273.88	495.4	490.0	500.6	495.32	
S.D.	93.3	162.5	110.4	80.29	81.1	92.3	32.2	65.12	

Animal No.	Grip strength			Stage : Recovery week 2					Species : Rat
	Sex : Female (satellite)			Dose : TPGME 1000 mg/kg					
	Forelimb, 1st	Forelimb, 2nd	Forelimb, 3rd	Forelimb	Hindlimb, 1st	Hindlimb, 2nd	Hindlimb, 3rd	Hindlimb	
	g	g	g	g	g	g	g	g	
50656	1153	1440	1309	1300.7	491	645	549	561.7	
50657	1338	1423	1316	1359.0	475	412	541	476.0	
50658	1422	1276	1299	1332.3	514	446	550	503.3	
50659	1326	1080	1142	1182.7	550	557	539	548.7	
50660	1330	1196	1238	1254.7	397	589	539	508.3	
n	5	5	5	5	5	5	5	5	
Mean	1313.8	1283.0	1260.8	1285.88	485.4	529.8	543.6	519.60	
S.D.	98.2	152.5	73.3	69.53	56.9	98.0	5.5	35.05	

Motor activity measurements				Stage : Week 4				Species : Rat
Sex : Male				Dose : TPGME 0 mg/kg				
	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	
10102	620	246	27	4	68	0	965	
10103	651	457	212	183	86	0	1589	
10109	302	193	107	121	83	110	916	
10110	302	268	174	144	110	59	1057	
10112	679	296	261	82	152	52	1522	
n	5	5	5	5	5	5	5	
Mean	510.8	292.0	156.2	106.8	99.8	44.2	1209.8	
S.D.	191.7	99.7	91.6	68.1	32.8	46.1	320.5	

Motor activity measurements				Stage : Week 4				Species : Rat
Sex : Male				Dose : TPGME 100 mg/kg				
	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	
10202	301	125	14	0	2	0	442	
10204	621	364	270	110	7	0	1372	
10205	251	93	109	44	0	0	497	
10207	400	331	245	148	150	104	1378	
10212	389	195	128	80	13	0	805	
n	5	5	5	5	5	5	5	
Mean	392.4	221.6	153.2	76.4	34.4	20.8	898.8	
S.D.	142.0	121.3	104.9	57.3	64.8	46.5	456.2	

Motor activity measurements				Stage : Week 4				Species : Rat
Sex : Male				Dose : TPGME 300 mg/kg				
	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	
10301	382	294	238	218	112	0	1244	
10302	383	176	65	21	23	0	668	
10304	277	206	140	6	0	0	629	
10306	435	228	127	112	90	79	1071	
10309	335	188	133	69	38	2	765	
n	5	5	5	5	5	5	5	
Mean	362.4	218.4	140.6	85.2	52.6	16.2	875.4	
S.D.	59.4	46.6	62.1	85.2	46.9	35.1	269.3	

Motor activity measurements				Stage : Week 4				Species : Rat
Sex : Male				Dose : TPGME 1000 mg/kg				
	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	
10402	398	450	89	0	0	0	937	
10404	457	254	97	87	42	51	988	
10405	549	318	86	56	3	0	1012	
10406	193	108	86	76	37	14	514	
10409	592	472	222	213	95	306	1900	
n	5	5	5	5	5	5	5	
Mean	437.8	320.4	116.0	86.4	35.4	74.2	1070.2	
S.D.	156.5	149.4	59.4	78.3	38.4	131.2	506.4	

Motor activity measurements				Stage : Lactation day 13				Species : Rat
Sex : Female				Dose : TPGME 0 mg/kg				
	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	
50152	721	501	324	339	85	141	2111	
50153	515	244	122	113	108	58	1160	
50158	416	212	0	2	53	141	824	
50159	385	435	155	14	101	0	1090	
50160	341	239	51	113	50	0	794	
n	5	5	5	5	5	5	5	
Mean	475.6	326.2	130.4	116.2	79.4	68.0	1195.8	
S.D.	151.4	132.1	124.0	135.2	26.8	70.7	536.1	

Motor activity measurements				Stage : Lactation day 13				Species : Rat
Sex : Female				Dose : TPGME 100 mg/kg				
	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	
50252	438	47	0	0	0	30	515	
50253	530	327	348	109	207	127	1648	
50256	644	175	93	88	49	91	1140	
50258	339	248	15	36	0	12	650	
50261	559	204	165	228	61	0	1217	
n	5	5	5	5	5	5	5	
Mean	502.0	200.2	124.2	92.2	63.4	52.0	1034.0	
S.D.	117.1	103.1	141.5	87.2	85.0	54.6	457.9	

Motor activity measurements				Stage : Lactation day 13				Species : Rat
Sex : Female				Dose : TPGME 300 mg/kg				
	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	
50351	430	91	123	45	9	0	698	
50354	330	92	29	83	39	5	578	
50355	418	149	125	140	35	1	868	
50357	641	431	167	174	617	114	2144	
50360	575	131	35	96	27	69	933	
n	5	5	5	5	5	5	5	
Mean	478.8	178.8	95.8	107.6	145.4	37.8	1044.2	
S.D.	126.3	143.2	60.9	50.3	263.9	51.6	630.5	

Motor activity measurements				Stage : Lactation day 13				Species : Rat
Sex : Female				Dose : TPGME 1000 mg/kg				
	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	
50451	262	60	0	88	18	0	428	
50454	401	83	0	0	0	0	484	
50456	314	86	62	46	14	34	556	
50457	656	266	281	115	276	156	1750	
50458	662	103	0	52	351	211	1379	
n	5	5	5	5	5	5	5	
Mean	459.0	119.6	68.6	60.2	131.8	80.2	919.4	
S.D.	189.2	83.3	121.7	43.8	168.1	97.3	605.0	

Motor activity measurements				Stage : Week 4				Species : Rat
Sex : Female (satellite)				Dose : TPGME 0 mg/kg				
	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	
50556	380	345	337	259	360	266	1947	
50557	536	284	176	2	233	0	1231	
50558	597	324	181	191	476	311	2080	
50559	429	291	68	28	0	0	816	
50560	406	176	56	0	0	0	638	
n	5	5	5	5	5	5	5	
Mean	469.6	284.0	163.6	96.0	213.8	115.4	1342.4	
S.D.	92.7	65.3	113.2	120.7	213.3	158.8	651.0	

Motor activity measurements				Stage : Week 4				Species : Rat
Sex : Female (satellite)				Dose : TPGME 1000 mg/kg				
	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	
50656	637	492	451	318	392	188	2478	
50657	351	228	270	226	398	205	1678	
50658	1055	490	274	364	516	362	3061	
50659	533	352	39	368	290	374	1956	
50660	216	100	137	7	0	21	481	
n	5	5	5	5	5	5	5	
Mean	558.4	332.4	234.2	256.6	319.2	230.0	1930.8	
S.D.	321.6	170.0	156.1	150.8	195.6	145.1	967.4	

Motor activity measurements				Stage : Recovery week 2				Species : Rat
Sex : Female (satellite)				Dose : TPGME 0 mg/kg				
	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	
50556	950	997	776	744	384	375	4226	
50557	932	746	12	153	181	110	2134	
50558	749	609	800	612	374	638	3782	
50559	585	331	52	0	176	134	1278	
50560	767	370	208	145	98	104	1692	
n	5	5	5	5	5	5	5	
Mean	796.6	610.6	369.6	330.8	242.6	272.2	2622.4	
S.D.	149.8	275.5	389.0	326.1	128.8	233.5	1306.5	

Motor activity measurements				Stage : Recovery week 2				Species : Rat
Sex : Female (satellite)				Dose : TPGME 1000 mg/kg				
	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'	
Animal No.	No.	No.	No.	No.	No.	No.	No.	
50656	1646	1145	776	763	567	593	5490	
50657	920	464	419	528	423	281	3035	
50658	666	628	542	265	387	217	2705	
50659	761	510	181	220	207	224	2103	
50660	757	484	316	144	123	129	1953	
n	5	5	5	5	5	5	5	
Mean	950.0	646.2	446.8	384.0	341.4	288.8	3057.2	
S.D.	399.7	286.0	226.9	256.4	177.1	178.5	1429.4	

	Body weight			Period : Administration Day 1-28					
	Sex : Male			Dose : TPGME 0 mg/kg				Unit : g	Species : Rat
Animal No.	/Day						Body weight		
	1	4	7	14	21	28	gain		
10101	375	386	396	419	434	458	83		
10102	436	451	467	498	522	542	106		
10103	408	418	436	465	475	492	84		
10104	418	438	458	485	501	525	107		
10105	416	426	436	467	486	514	98		
10106	457	467	479	512	525	552	95		
10107	444	462	479	512	528	551	107		
10108	395	413	427	456	478	504	109		
10109	416	425	444	472	494	508	92		
10110	406	420	435	464	482	498	92		
10111	446	451	461	492	504	534	88		
10112	460	476	485	515	540	555	95		
n	12	12	12	12	12	12	12		
Mean	423.1	436.1	450.3	479.8	497.4	519.4	96.3		
S.D.	25.9	26.1	26.1	28.2	29.3	29.3	9.2		

	Body weight			Period : Administration Day 1-28					
	Sex : Male			Dose : TPGME 100 mg/kg				Unit : g	Species : Rat
Animal No.	/Day						Body weight		
	1	4	7	14	21	28	gain		
10201	409	422	434	464	486	507	98		
10202	392	403	422	451	481	503	111		
10203	413	422	439	464	492	517	104		
10204	427	438	449	476	490	502	75		
10205	441	457	472	496	518	534	93		
10206	466	489	508	557	583	625	159		
10207	472	486	505	539	560	588	116		
10208	420	427	447	467	482	503	83		
10209	371	387	401	430	451	472	101		
10210	444	458	477	507	522	550	106		
10211	423	428	437	466	483	502	79		
10212	408	420	441	462	478	494	86		
n	12	12	12	12	12	12	12		
Mean	423.8	436.4	452.7	481.6	502.2	524.8	100.9		
S.D.	28.9	30.9	32.1	36.8	37.5	43.5	22.4		

Animal No.	Body weight Sex : Male /Day							Body weight gain	Unit : g	Species : Rat
	1	4	7	14	21	28				
10301	406	419	437	465	491	509		103		
10302	443	451	468	497	516	538		95		
10303	427	444	463	495	509	525		98		
10304	403	416	425	451	468	493		90		
10305	367	385	394	422	450	464		97		
10306	456	478	501	544	567	580		124		
10307	467	489	523	554	580	606		139		
10308	458	469	494	528	533	566		108		
10309	418	431	447	475	491	510		92		
10310	395	401	416	441	465	495		100		
10311	417	430	447	472	492	513		96		
10312	392	432	457	482	509	537		145		
n	12	12	12	12	12	12		12		
Mean	420.8	437.1	456.0	485.5	505.9	528.0		107.3		
S.D.	30.5	30.9	37.0	40.5	39.3	40.2		18.5		

	Body weight			Period : Administration Day 1-28					
	Sex : Male			Dose : TPGME 1000 mg/kg				Unit : g	Species : Rat
	/Day							Body weight	
Animal No.	1	4	7	14	21	28	gain		
10401	416	425	451	473	490	526	110		
10402	452	470	490	522	544	557	105		
10403	397	410	425	444	459	486	89		
10404	430	442	463	500	519	546	116		
10405	417	430	452	487	501	522	105		
10406	393	408	423	452	480	503	110		
10407	436	450	469	513	542	575	139		
10408	404	421	434	465	495	525	121		
10409	400	411	432	457	476	496	96		
10410	418	431	445	482	501	515	97		
10411	386	401	414	443	463	485	99		
10412	482	500	517	556	583	618	136		
n	12	12	12	12	12	12	12		
Mean	419.3	433.3	451.3	482.8	504.4	529.5	110.3		
S.D.	27.5	28.8	29.9	34.7	36.8	39.2	15.5		

	Body weight Sex : Female				Period : Administration Day 1-14 Dose : TPGME 0 mg/kg		Unit : g	Species : Rat
Animal No.	/Day				Body weight gain			
	1	4	7	14				
50151	289	294	299	301	12			
50152	291	286	301	307	16			
50153	267	261	277	287	20			
50154	269	283	280	307	38			
50155	274	274	281	278	4			
50156	267	273	281	281	14			
50157	275	281	285	290	15			
50158	306	309	331	345	39			
50159	277	279	279	297	20			
50160	263	262	258	276	13			
50161	297	311	311	315	18			
50162	255	256	261	264	9			
n	12	12	12	12	12			
Mean	277.5	280.8	287.0	295.7	18.2			
S.D.	15.2	17.5	20.6	21.6	10.5			

	Body weight Sex : Female /Day				Period : Administration Day 1-14 Dose : TPGME 100 mg/kg		Unit : g	Species : Rat
Animal No.	1	4	7	14	Body weight gain			
50251	294	292	307	317	23			
50252	274	275	292	305	31			
50253	280	281	280	310	30			
50254	281	285	293	297	16			
50255	271	284	279	300	29			
50256	254	262	259	281	27			
50257	284	296	311	309	25			
50258	288	305	306	312	24			
50259	264	271	275	278	14			
50260	265	266	277	295	30			
50261	306	305	310	342	36			
50262	296	303	310	315	19			
n	12	12	12	12	12			
Mean	279.8	285.4	291.6	305.1	25.3			
S.D.	15.0	15.1	17.4	17.0	6.5			

	Body weight Sex : Female				Period : Administration Day 1-14 Dose : TPGME 300 mg/kg		Unit : g	Species : Rat
Animal No.	/Day				Body weight gain			
	1	4	7	14				
50351	279	283	285	306	27			
50352	277	288	296	299	22			
50353	289	292	294	293	4			
50354	278	283	278	292	14			
50355	256	255	251	252	-4			
50356	253	260	275	273	20			
50357	267	270	263	282	15			
50358	284	310	317	334	50			
50359	286	281	284	277	-9			
50360	277	283	277	295	18			
50361	247	251	249	267	20			
50362	299	309	315	317	18			
n	12	12	12	12	12			
Mean	274.3	280.4	282.0	290.6	16.3			
S.D.	15.7	18.9	21.7	22.4	15.2			

	Body weight Sex : Female				Period : Administration Day 1-14 Dose : TPGME 1000 mg/kg		Unit : g	Species : Rat
Animal No.	/Day				Body weight gain			
50451	1	4	7	14				
	261	256	256	270	9			
50452	287	292	284	292	5			
50453	276	279	287	286	10			
50454	274	272	266	289	15			
50455	267	263	265	276	9			
50456	274	271	285	287	13			
50457	276	276	278	285	9			
50458	274	271	270	280	6			
50459	291	290	302	299	8			
50460	245	258	271	279	34			
50461	292	299	297	315	23			
50462	298	305	314	309	11			
n	12	12	12	12	12			
Mean	276.3	277.7	281.3	288.9	12.7			
S.D.	14.7	15.8	17.0	13.2	8.2			

	Body weight Sex : Female				Period : Gestation Day 0-20 Dose : TPGME 0 mg/kg		Unit : g	Species : Rat
Animal No.	/Day				Body weight gain			
	0	7	14	20				
50151	315	357	389	459	144			
50152	305	341	374	473	168			
50153	280	329	371	468	188			
50154	306	361	411	503	197			
50155	303	349	386	468	165			
50156	298	355	399	467	169			
50157	312	352	399	490	178			
50158	347	397	438	541	194			
50159	299	346	392	502	203			
50160	277	316	359	438	161			
50161	332	391	442	534	202			
50162	280	317	353	431	151			
n	12	12	12	12	12			
Mean	304.5	350.9	392.8	481.2	176.7			
S.D.	20.8	25.0	27.8	34.2	20.0			

	Body weight Sex : Female				Period : Gestation Day 0-20 Dose : TPGME 100 mg/kg		Unit : g	Species : Rat
Animal No.	/Day				Body weight gain			
	0	7	14	20				
50251	336	375	423	518	182			
50252	304	355	392	513	209			
50253	305	362	412	503	198			
50254	310	359	401	488	178			
50255	303	334	375	432	129			
50256	281	320	361	451	170			
50257	327	382	427	521	194			
50258	315	360	411	491	176			
50259	295	334	381	460	165			
50260	300	342	374	432	132			
50261	336	385	448	540	204			
50262	334	382	435	528	194			
n	12	12	12	12	12			
Mean	312.2	357.5	403.3	489.8	177.6			
S.D.	17.7	21.4	27.2	37.6	25.8			

	Body weight		Period : Gestation Day 0-20				
	Sex : Female		Dose : TPGME 300 mg/kg			Unit : g	Species : Rat
	/Day		Body weight				
Animal No.	0	7	14	20	gain		
50351	298	340	383	468	170		
50352	309	346	389	489	180		
50353	315	370	410	494	179		
50354	300	339	379	488	188		
50355	258	304	350	450	192		
50356	277	318	357	448	171		
50357	284	339	394	494	210		
50358	333	389	426	492	159		
50359	304	357	410	499	195		
50360	300	355	406	519	219		
50361	268	308	354	451	183		
50362	334	387	438	538	204		
n	12	12	12	12	12		
Mean	298.3	346.0	391.3	485.8	187.5		
S.D.	23.6	27.7	28.3	27.7	17.5		

	Body weight Sex : Female /Day				Period : Gestation Day 0-20 Dose : TPGME 1000 mg/kg		Unit : g	Species : Rat
Animal No.	0	7	14	20	Body weight gain			
50451	274	307	355	446	172			
50452	293	329	375	475	182			
50453	301 \$	342 \$	348 \$	323 \$	22 \$			
50454	283	334	379	464	181			
50455	287	337	376	464	177			
50456	285	345	399	497	212			
50457	286	318	356	451	165			
50458	290	330	366	454	164			
50459	314	375	413	500	186			
50460	282	339	389	475	193			
50461	311	352	399	512	201			
50462	316	354	394	493	177			
n	11	11	11	11	11			
Mean	292.8	338.2	381.9	475.5	182.7			
S.D.	14.3	18.4	18.7	22.1	14.7			

\$: Excepted data from calculation (non-pregnancy)

	Body weight					Period : Lactation Day 0-13		
	Sex : Female					Dose : TPGME 0 mg/kg	Unit : g	Species : Rat
Animal No.	/Day					Body weight		
	0	4	7	13	gain			
50151	366	407	382	383	17			
50152	333	367	357	378	45			
50153	351	385	391	393	42			
50154	341	378	394	410	69			
50155	365	398	385	403	38			
50156	386	395	404	412	26			
50157	374	386	375	387	13			
50158	417	443	449	437	20			
50159	378	380	382	383	5			
50160	331	354	364	365	34			
50161	408	438	425	439	31			
50162	341	364	366	381	40			
n	12	12	12	12	12			
Mean	365.9	391.3	389.5	397.6	31.7			
S.D.	28.2	27.4	26.3	23.2	17.2			

	Body weight	Period : Lactation Day 0-13					
	Sex : Female	Dose : TPGME 100 mg/kg				Unit : g	Species : Rat
	/Day	Body weight					
Animal No.	0	4	7	13	gain		
50251	388	423	419	430	42		
50252	337	376	402	406	69		
50253	364	414	416	409	45		
50254	346	388	414	426	80		
50255	363	389	382	393	30		
50256	328	372	370	370	42		
50257	382	404	412	413	31		
50258	408	422	424	425	17		
50259	330	392	401	404	74		
50260	376	378	390	398	22		
50261	414	434	429	426	12		
50262	402	422	427	427	25		
n	12	12	12	12	12		
Mean	369.8	401.2	407.2	410.6	40.8		
S.D.	30.2	21.4	18.6	17.9	22.7		

	Body weight Sex : Female				Period : Lactation Day 0-13 Dose : TPGME 300 mg/kg		Unit : g	Species : Rat
Animal No.	/Day	Body weight						
	0	4	7	13	gain			
50351	362	396	402	402	40			
50352	377	408	407	404	27			
50353	394	422	414	404	10			
50354	354	394	403	416	62			
50355	328	372	376	365	37			
50356	336	380	373	333	-3			
50357	385	408	405	400	15			
50358	415	421	426	433	18			
50359	382	410	426	425	43			
50360	373	414	423	419	46			
50361	333	374	367	367	34			
50362	402	427	441	452	50			
n	12	12	12	12	12			
Mean	370.1	402.2	405.3	401.7	31.6			
S.D.	28.1	18.9	23.2	32.8	18.7			

	Body weight Sex : Female	Period : Lactation Day 0-13				Unit : g	Species : Rat
	/Day	Dose : TPGME 1000 mg/kg					
Animal No.		Body weight					
	0	4	7	13	gain		
50451	328	369	366	382	54		
50452	346	386	395	413	67		
50454	335	380	382	399	64		
50455	356	393	398	397	41		
50456	379	406	410	408	29		
50457	333	356	373	391	58		
50458	340	389	388	392	52		
50459	383	408	407	410	27		
50460	357	397	401	399	42		
50461	382	420	413	422	40		
50462	374	399	422	442	68		
n	11	11	11	11	11		
Mean	355.7	391.2	395.9	405.0	49.3		
S.D.	20.9	18.2	17.3	16.7	14.5		

Animal No.	Body weight Sex : Female (satellite) Period : Administration Day 1-28 Dose : TPGME 0 mg/kg /Day							Body weight gain	Unit : g	Species : Rat
	1	4	7	14	21	28				
50551	267	279	281	290	299	307		40		
50552	258	254	271	269	282	285		27		
50553	288	284	297	303	316	315		27		
50554	301	305	305	331	349	352		51		
50555	260	268	271	268	289	298		38		
50556	290	292	289	299	316	322		32		
50557	257	266	272	269	277	287		30		
50558	267	273	275	279	297	297		30		
50559	296	303	312	333	347	349		53		
50560	275	277	279	296	302	307		32		
n	10	10	10	10	10	10		10		
Mean	275.9	280.1	285.2	293.7	307.4	311.9		36.0		
S.D.	16.6	16.3	14.9	24.0	24.9	23.3		9.4		

Animal No.	Body weight Sex : Female (satellite) Period : Administration Day 1-28 Dose : TPGME 1000 mg/kg /Day							Unit : g	Species : Rat
	1	4	7	14	21	28	Body weight gain		
50651	286	284	296	300	303	303	17		
50652	277	278	284	287	302	316	39		
50653	262	261	263	281	290	290	28		
50654	272	270	285	296	306	311	39		
50655	262	278	284	290	288	307	45		
50656	283	279	293	309	311	312	29		
50657	257	268	281	285	281	303	46		
50658	251	260	264	264	268	276	25		
50659	297	300	298	312	330	331	34		
50660	270	273	290	292	299	301	31		
n	10	10	10	10	10	10	10		
Mean	271.7	275.1	283.8	291.6	297.8	305.0	33.3		
S.D.	14.3	11.7	12.1	13.9	17.2	14.8	9.1		

	Body weight			Period : Recovery Day 1-14		
	Sex : Male			Dose : TPGME 0 mg/kg	Unit : g	Species : Rat
	/Day			Body weight		
Animal No.	1	7	14	gain		
10102	546	573	594	48		
10103	490	509	520	30		
10109	507	533	547	40		
10110	501	520	539	38		
10112	554	580	601	47		
n	5	5	5	5		
Mean	519.6	543.0	560.2	40.6		
S.D.	28.6	31.8	35.5	7.3		

	Body weight Sex : Male			Period : Recovery Day 1-14 Dose : TPGME 1000 mg/kg	Unit : g	Species : Rat
Animal No.	/Day	Body weight gain				
	1	7	14			
10402	559	586	612	53		
10404	550	572	600	50		
10405	526	548	567	41		
10406	505	526	547	42		
10409	495	505	532	37		
n	5	5	5	5		
Mean	527.0	547.4	571.6	44.6		
S.D.	27.7	33.0	34.0	6.7		

Body weight Sex : Female (satellite)				Period : Recovery Day 1-14 Dose : TPGME 0 mg/kg	Unit : g	Species : Rat
Animal No.	/Day	Body weight				
	1	7	14	gain		
50556	324	316	322	-2		
50557	282	298	312	30		
50558	299	307	316	17		
50559	349	362	382	33		
50560	309	315	330	21		
n	5	5	5	5		
Mean	312.6	319.6	332.4	19.8		
S.D.	25.4	24.8	28.5	13.8		

	Body weight Sex : Female (satellite)			Period : Recovery Day 1-14 Dose : TPGME 1000 mg/kg	Unit : g	Species : Rat
Animal No.	/Day	Body weight				
	1	7	14	gain		
50656	324	345	358	34		
50657	291	327	346	55		
50658	276	288	298	22		
50659	332	345	373	41		
50660	308	323	340	32		
n	5	5	5	5		
Mean	306.2	325.6	343.0	36.8		
S.D.	23.1	23.3	28.1	12.2		

	Food consumption		Period : Administration Day 1-28			
	Sex : Male		Dose : TPGME 0 mg/kg		Unit : g	Species : Rat
	/Day					
Animal No.	4	7	14	28		
10101	24.9	24.6	25.5	27.4		
10102	28.7	29.1	30.0	28.9		
10103	29.6	29.9	29.5	29.2		
10104	30.5	31.6	31.2	31.2		
10105	28.1	26.6	27.8	29.9		
10106	33.8	31.1	32.1	32.6		
10107	31.8	32.2	31.7	31.7		
10108	28.3	28.0	29.1	30.2		
10109	28.6	28.3	27.9	27.8		
10110	25.6	26.1	27.6	27.1		
10111	31.4	28.9	30.0	31.5		
10112	32.1	30.2	31.8	30.3		
n	12	12	12	12		
Mean	29.45	28.88	29.52	29.82		
S.D.	2.63	2.31	2.03	1.78		

	Food consumption		Period : Administration Day 1-28			
	Sex : Male		Dose : TPGME 100 mg/kg		Unit : g	Species : Rat
	/Day					
Animal No.	4	7	14	28		
10201	28.0	27.9	28.0	28.3		
10202	26.2	26.6	27.2	27.7		
10203	27.2	28.4	27.0	29.5		
10204	28.9	27.8	28.1	28.2		
10205	30.6	32.0	30.3	30.2		
10206	34.1	34.9	36.2	37.3		
10207	32.1	32.2	32.7	34.2		
10208	32.4	31.7	29.4	31.4		
10209	28.3	28.3	29.2	28.7		
10210	32.2	31.1	30.3	32.7		
10211	27.7	26.5	26.7	28.7		
10212	30.8	29.7	29.8	30.3		
n	12	12	12	12		
Mean	29.88	29.76	29.58	30.60		
S.D.	2.49	2.61	2.70	2.88		

	Food consumption		Period : Administration Day 1-28			
	Sex : Male		Dose : TPGME 300 mg/kg		Unit : g	Species : Rat
	/Day					
Animal No.	4	7	14	28		
10301	28.9	30.7	29.3	28.8		
10302	29.0	28.5	29.1	29.7		
10303	28.7	29.7	29.6	28.6		
10304	27.8	25.7	27.3	28.7		
10305	25.5	25.5	26.1	26.4		
10306	33.2	33.4	35.0	32.7		
10307	32.1	33.3	32.1	33.3		
10308	30.3	32.1	31.8	32.3		
10309	28.3	29.4	31.0	30.3		
10310	29.0	28.0	28.5	31.9		
10311	32.8	33.4	32.4	36.0		
10312	33.2	32.6	30.5	32.7		
n	12	12	12	12		
Mean	29.90	30.19	30.23	30.95		
S.D.	2.44	2.87	2.44	2.66		

	Food consumption		Period : Administration Day 1-28			
	Sex : Male		Dose : TPGME 1000 mg/kg		Unit : g	Species : Rat
	/Day					
Animal No.	4	7	14	28		
10401	23.2	26.3	27.3	29.9		
10402	29.6	30.2	30.4	28.6		
10403	27.8	28.3	28.8	31.2		
10404	27.9	29.1	29.6	30.6		
10405	29.8	30.8	31.2	30.2		
10406	24.6	26.1	27.0	27.5		
10407	26.2	29.2	29.9	33.3		
10408	26.0	25.9	26.0	28.8		
10409	25.6	28.7	28.9	29.9		
10410	26.0	27.7	29.1	28.5		
10411	25.4	27.5	28.7	30.0		
10412	32.7	32.6	33.2	36.3		
n	12	12	12	12		
Mean	27.07	28.53	29.18	30.40		
S.D.	2.63	2.02	1.94	2.38		

Food consumption		Period : Administration Day 1-14		Unit : g	Species : Rat
Sex : Female		Dose : TPGME 0 mg/kg			
Animal No.	/Day	4	7		
50151		20.4	20.9	21.4	
50152		20.6	22.2	20.8	
50153		19.1	23.6	21.8	
50154		20.9	23.0	23.7	
50155		19.4	21.0	21.5	
50156		21.1	21.1	21.2	
50157		21.8	20.6	22.0	
50158		24.2	26.6	24.6	
50159		20.7	21.2	22.1	
50160		17.9	18.3	19.7	
50161		24.6	22.3	23.7	
50162		18.6	19.1	20.1	
n		12	12	12	
Mean		20.78	21.66	21.88	
S.D.		2.03	2.16	1.48	

	Food consumption			Period : Administration Day 1-14		
	Sex : Female			Dose : TPGME 100 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	4	7	14			
50251	20.4	24.3	22.9			
50252	20.9	23.3	21.7			
50253	21.3	23.2	25.6			
50254	21.9	20.6	21.5			
50255	20.5	20.1	21.8			
50256	20.2	19.6	21.7			
50257	25.2	23.4	24.5			
50258	22.0	18.0	20.5			
50259	19.0	20.0	20.3			
50260	19.3	21.3	21.4			
50261	22.4	25.5	28.1			
50262	21.3	22.8	22.7			
n	12	12	12			
Mean	21.20	21.84	22.73			
S.D.	1.63	2.23	2.28			

	Food consumption			Period : Administration Day 1-14		
	Sex : Female			Dose : TPGME 300 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	4	7	14			
50351	20.8	21.0	22.8			
50352	20.8	21.4	21.5			
50353	19.2	19.7	20.9			
50354	19.1	20.3	21.9			
50355	18.9	18.0	19.7			
50356	19.5	20.6	19.0			
50357	20.4	20.7	21.7			
50358	24.7	21.2	24.6			
50359	18.2	17.3	17.6			
50360	21.5	20.0	22.4			
50361	17.4	19.5	19.8			
50362	22.0	22.4	23.9			
n	12	12	12			
Mean	20.21	20.18	21.32			
S.D.	1.96	1.43	2.04			

	Food consumption			Period : Administration Day 1-14		
	Sex : Female			Dose : TPGME 1000 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	4	7	14			
50451	17.9	17.8	20.6			
50452	18.3	17.1	17.6			
50453	19.0	20.6	20.8			
50454	17.8	18.1	21.3			
50455	17.9	19.6	19.4			
50456	17.5	21.8	19.0			
50457	16.1	18.6	19.2			
50458	17.4	18.5	19.9			
50459	18.6	19.7	20.5			
50460	20.4	20.0	20.0			
50461	18.9	19.7	21.4			
50462	19.7	19.3	19.1			
n	12	12	12			
Mean	18.29	19.23	19.90			
S.D.	1.13	1.29	1.10			

	Food consumption			Period : Gestation Day 0-20		
	Sex : Female			Dose : TPGME 0 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	7	14	20			
50151	27.2	27.5	25.4			
50152	24.7	25.9	26.1			
50153	26.8	29.5	29.9			
50154	30.3	34.0	31.6			
50155	30.5	32.4	30.4			
50156	30.1	34.4	27.6			
50157	29.2	32.0	31.1			
50158	29.7	31.0	32.4			
50159	28.3	33.0	33.8			
50160	24.0	26.2	25.5			
50161	30.3	34.1	30.7			
50162	24.6	26.3	28.6			
n	12	12	12			
Mean	27.98	30.53	29.43			
S.D.	2.45	3.30	2.78			

	Food consumption			Period : Gestation Day 0-20		
	Sex : Female			Dose : TPGME 100 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	7	14	20			
50251	27.1	33.1	30.3			
50252	26.8	28.0	30.9			
50253	31.3	33.7	32.0			
50254	26.5	28.5	27.2			
50255	25.4	27.7	26.2			
50256	26.5	28.8	28.8			
50257	30.5	33.2	31.4			
50258	27.0	30.6	30.0			
50259	27.0	30.8	29.3			
50260	26.5	29.0	27.9			
50261	33.3	35.9	31.0			
50262	30.7	36.3	32.3			
n	12	12	12			
Mean	28.22	31.30	29.78			
S.D.	2.52	3.06	1.93			

	Food consumption			Period : Gestation Day 0-20		
	Sex : Female			Dose : TPGME 300 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	7	14	20			
50351	26.4	27.5	27.5			
50352	24.8	28.8	29.4			
50353	30.4	32.8	29.3			
50354	27.2	28.2	32.1			
50355	24.3	27.1	28.5			
50356	24.9	25.7	26.6			
50357	29.0	33.1	31.9			
50358	31.6	33.2	31.0			
50359	29.0	33.0	30.2			
50360	30.5	31.3	31.5			
50361	24.4	26.9	27.1			
50362	30.8	34.0	33.1			
n	12	12	12			
Mean	27.78	30.13	29.85			
S.D.	2.76	3.04	2.13			

	Food consumption			Period : Gestation Day 0-20		
	Sex : Female			Dose : TPGME 1000 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	7	14	20			
50451	24.8	27.3	27.2			
50452	21.9	26.1	29.1			
50453	26.6 \$	25.7 \$	16.9 \$			
50454	26.3	28.6	26.4			
50455	26.9	29.2	29.7			
50456	27.6	30.2	30.0			
50457	22.8	24.3	25.7			
50458	28.1	27.2	26.1			
50459	30.4	32.5	31.2			
50460	28.9	31.2	30.5			
50461	24.8	28.6	32.2			
50462	24.5	27.5	28.8			
n	11	11	11			
Mean	26.09	28.43	28.81			
S.D.	2.60	2.33	2.19			
\$: Excepted data from calculation (non-pregnancy)						

\$: Excepted data from calculation (non-pregnancy)

	Food consumption			Period : Lactation Day 0-13	Unit : g	Species : Rat
	Sex : Female			Dose : TPGME 0 mg/kg		
	/Day					
Animal No.	4	7	13			
50151	40.8	50.9	59.3			
50152	36.3	45.2	60.1			
50153	39.5	52.8	61.3			
50154	32.7	53.6	62.9			
50155	37.8	41.7	56.3			
50156	31.9	39.9	50.6			
50157	35.2	45.1	59.3			
50158	35.4	51.9	50.1			
50159	35.5	44.1	56.4			
50160	29.2	44.4	53.1			
50161	39.7	47.1	60.0			
50162	41.4	45.3	57.5			
n	12	12	12			
Mean	36.28	46.83	57.24			
S.D.	3.76	4.47	4.12			

	Food consumption			Period : Lactation Day 0-13		
	Sex : Female			Dose : TPGME 100 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	4	7	13			
50251	38.9	41.1	55.6			
50252	36.4	50.7	59.2			
50253	41.6	53.3	60.5			
50254	38.9	50.5	62.1			
50255	38.7	47.7	56.9			
50256	38.3	50.7	58.9			
50257	31.7	43.8	59.3			
50258	37.1	47.1	58.4			
50259	44.8	54.9	62.9			
50260	32.6	42.6	51.2			
50261	35.4	46.3	57.9			
50262	31.6	45.2	60.7			
n	12	12	12			
Mean	37.17	47.83	58.63			
S.D.	3.97	4.29	3.12			

	Food consumption			Period : Lactation Day 0-13		
	Sex : Female			Dose : TPGME 300 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	4	7	13			
50351	40.3	49.3	58.5			
50352	36.2	42.0	55.1			
50353	36.5	43.2	56.2			
50354	45.2	52.6	61.6			
50355	42.6	47.2	57.6			
50356	39.5	49.5	51.5			
50357	46.1	50.3	62.8			
50358	37.0	49.5	61.9			
50359	36.0	48.9	61.4			
50360	42.2	49.7	56.6			
50361	38.3	43.2	53.2			
50362	32.5	42.9	58.4			
n	12	12	12			
Mean	39.37	47.36	57.90			
S.D.	4.07	3.57	3.59			

	Food consumption			Period : Lactation Day 0-13		
	Sex : Female			Dose : TPGME 1000 mg/kg	Unit : g	Species : Rat
	/Day					
Animal No.	4	7	13			
50451	39.0	44.6	58.4			
50452	37.4	50.7	60.9			
50454	40.9	47.9	56.1			
50455	35.8	46.7	57.1			
50456	39.0	44.4	53.5			
50457	39.1	44.6	54.8			
50458	40.9	46.7	53.0			
50459	35.5	46.3	61.3			
50460	41.5	52.0	62.6			
50461	39.7	50.3	58.4			
50462	38.4	54.0	64.1			
n	11	11	11			
Mean	38.84	48.02	58.20			
S.D.	1.98	3.27	3.71			

Animal No.	Food consumption Sex : Female (satellite) /Day					Unit : g	Species : Rat
	4	7	14	21	28		
50551	21.8	19.7	20.9	21.6	21.3		
50552	18.7	20.1	17.8	19.4	19.4		
50553	20.9	22.3	21.5	22.2	22.7		
50554	24.0	24.2	25.6	26.5	25.3		
50555	17.0	17.9	18.2	20.0	19.3		
50556	22.3	20.7	22.6	22.5	21.9		
50557	21.5	20.1	19.2	19.7	20.1		
50558	17.8	18.5	18.6	18.8	17.5		
50559	23.3	24.8	24.5	23.8	22.8		
50560	21.7	22.8	23.6	22.3	22.3		
n	10	10	10	10	10		
Mean	20.90	21.11	21.25	21.68	21.26		
S.D.	2.33	2.33	2.78	2.34	2.24		

Animal No.	Food consumption Sex : Female (satellite) /Day					Unit : g	Species : Rat
	4	7	14	21	28		
50651	20.1	21.8	20.3	18.8	20.5		
50652	19.4	19.2	21.2	21.5	22.4		
50653	19.5	19.9	22.7	21.5	20.6		
50654	20.1	22.0	21.3	21.3	24.0		
50655	19.8	19.0	19.6	19.9	22.0		
50656	22.3	24.6	24.1	22.3	24.3		
50657	18.7	17.7	19.0	19.1	21.2		
50658	17.8	18.0	19.1	18.4	19.0		
50659	19.7	19.5	22.3	20.9	20.4		
50660	18.7	22.3	20.1	20.0	22.2		
n	10	10	10	10	10		
Mean	19.61	20.40	20.97	20.37	21.66		
S.D.	1.19	2.19	1.67	1.32	1.66		

	Food consumption		Period : Recovery Day 1-14		
	Sex : Male		Dose : TPGME 0 mg/kg	Unit : g	Species : Rat
	/Day				
Animal No.	7	14			
10102	31.1	30.1			
10103	28.6	27.3			
10109	29.2	29.2			
10110	27.3	27.1			
10112	32.5	31.2			
n	5	5			
Mean	29.74	28.98			
S.D.	2.06	1.77			

Food consumption		Period : Recovery Day 1-14		Unit : g	Species : Rat
Sex : Male		Dose : TPGME 1000 mg/kg			
	/Day				
Animal No.	7	14			
10402	30.9	32.5			
10404	30.6	31.7			
10405	32.5	32.1			
10406	28.5	29.8			
10409	30.2	32.8			
n	5	5			
Mean	30.54	31.78			
S.D.	1.44	1.18			

	Food consumption		Period : Recovery Day 1-14			
	Sex : Female (satellite)		Dose : TPGME 0 mg/kg		Unit : g	Species : Rat
	/Day					
Animal No.	7	14				
50556	22.0	21.4				
50557	21.2	22.0				
50558	19.1	19.8				
50559	23.6	23.6				
50560	23.8	25.1				
n	5	5				
Mean	21.94	22.38				
S.D.	1.93	2.04				

Food consumption		Period : Recovery Day 1-14		Unit : g	Species : Rat
Sex : Female (satellite)		Dose : TPGME 1000 mg/kg			
	/Day				
Animal No.	7	14			
50656	35.2	25.5			
50657	24.8	25.1			
50658	19.8	20.5			
50659	24.8	25.6			
50660	23.9	23.0			
n	5	5			
Mean	25.70	23.94			
S.D.	5.70	2.19			

Urinary findings		Stage : Week 4							Species : Rat
Sex : Male	Dose : TPGME 0 mg/kg								
	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
Animal No.	EU/dL								
10102	8.5	+	-	-	0.1	-	-	A	
10103	8.5	+	-	-	0.1	-	-	A	
10109	8.5	+	-	-	0.1	-	-	A	
10110	8.5	+	-	-	0.1	-	-	A	
10112	8.5	+	-	-	0.1	-	-	A	
n	5	5	5	5	5	5	5	5	
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white									

Urinary findings		Stage : Week 4	Species : Rat
Sex : Male		Dose : TPGME 0 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10102	12.0		
10103	12.0		
10109	16.0		
10110	12.5		
10112	9.0		
n	5		
Mean	12.30		
S.D.	2.49		

Urinary findings		Stage : Week 4						Species : Rat
Sex : Male	Dose : TPGME 0 mg/kg							
Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast		
Animal No.								
10102	5	-	-	-	-	-	-	
10103	4	-	-	-	-	-	-	
10109	4	-	-	-	-	-	-	
10110	5	-	-	-	-	-	-	
10112	5	-	-	-	-	-	-	
n	5	5	5	5	5	5	5	
Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<								

Urinary findings		Stage : Week 4							Species : Rat
Sex : Male	Dose : TPGME 100 mg/kg								
pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color		
Animal No.	EU/dL								
10202	8.5	±	-	-	0.1	-	-	A	
10204	8.5	+	-	-	0.1	-	-	A	
10205	8.5	±	-	-	0.1	-	-	A	
10207	8.5	+	-	-	0.1	-	-	A	
10212	8.5	2+	-	-	0.1	-	-	A	
n	5	5	5	5	5	5	5	5	
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white									

Urinary findings		Stage : Week 4	Species : Rat
Sex : Male		Dose : TPGME 100 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10202	18.0		
10204	13.5		
10205	22.0		
10207	15.5		
10212	15.5		
n	5		
Mean	16.90		
S.D.	3.27		

Animal No.	Urinary findings			Stage : Week 4				Species : Rat
	Sex : Male			Dose : TPGME 100 mg/kg				
	Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast	
10202	4	-	-	-	-	-	-	
10204	4	-	-	-	-	-	-	
10205	4	-	-	-	-	-	-	
10207	5	-	-	-	-	-	-	
10212	4	-	-	-	-	-	-	
n	5	5	5	5	5	5	5	
Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<								

Animal No.	Urinary findings				Stage : Week 4				Species : Rat
	Sex : Male				Dose : TPGME 300 mg/kg				
	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
					EU/dL				
10301	8.5	+	-	-	0.1	-	-	A	
10302	8.5	+	-	-	0.1	-	-	A	
10304	8.5	+	-	-	0.1	-	-	A	
10306	8.0	+	-	-	0.1	-	-	A	
10309	8.5	+	-	-	0.1	-	-	A	
n	5	5	5	5	5	5	5	5	

Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings		Stage : Week 4	Species : Rat
Sex : Male		Dose : TPGME 300 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10301	11.0		
10302	12.0		
10304	15.5		
10306	23.5		
10309	12.5		
n	5		
Mean	14.90		
S.D.	5.09		

Animal No.	Urinary findings			Stage : Week 4			Species : Rat
	Sex : Male			Dose : TPGME 300 mg/kg			
	Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	
10301	5	-	-	-	-	-	-
10302	5	-	-	-	-	-	-
10304	4	-	-	-	-	-	-
10306	3	-	-	-	-	-	-
10309	5	-	-	-	-	-	-
n	5	5	5	5	5	5	5
Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<							

Urinary findings		Stage : Week 4							Species : Rat
Sex : Male	Dose : TPGME 1000 mg/kg								
pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color		
Animal No.	EU/dL								
10402	8.5	2+	-	-	0.1	-	-	A	
10404	8.5	+	-	-	0.1	-	-	A	
10405	8.5	2+	-	-	0.1	-	-	A	
10406	8.5	±	-	-	0.1	-	-	A	
10409	8.5	+	-	-	0.1	-	-	A	
n	5	5	5	5	5	5	5	5	
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white									

Urinary findings		Stage : Week 4	Species : Rat
Sex : Male		Dose : TPGME 1000 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10402	15.5		
10404	10.5		
10405	11.0		
10406	14.0		
10409	10.0		
n	5		
Mean	12.20		
S.D.	2.41		

Urinary findings		Stage : Week 4						Species : Rat
Sex : Male	Dose : TPGME 1000 mg/kg							
Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast		
Animal No.								
10402	4	-	-	-	-	-	-	
10404	5	-	-	±	-	±	-	
10405	5	-	-	-	-	-	-	
10406	5	-	-	-	-	-	-	
10409	5	-	-	-	-	-	-	
n	5	5	5	5	5	5	5	
Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<								

Urinary findings				Stage : Week 4				Species : Rat	
Sex : Female (satellite)				Dose : TPGME 0 mg/kg					
	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
Animal No.	EU/dL								
50556	8.0	2+	-	-	0.1	-	-	A	
50557	8.5	+	-	-	0.1	-	-	A	
50558	8.5	-	-	-	0.1	-	-	A	
50559	8.5	+	-	-	0.1	-	-	A	
50560	8.5	+	-	-	0.1	-	±	A	
n	5	5	5	5	5	5	5	5	
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white									

Urinary findings		Stage : Week 4	Species : Rat
Sex : Female (satellite)		Dose : TPGME 0 mg/kg	
Urine volume			
Animal No.	mL/21hr		
50556	10.0		
50557	12.5		
50558	12.0		
50559	12.5		
50560	16.0		
n	5		
Mean	12.60		
S.D.	2.16		

Urinary findings		Stage : Week 4						Species : Rat
Sex : Female (satellite)		Dose : TPGME 0 mg/kg						
	Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast	
Animal No.								
50556	5	-	-	-	-	-	-	
50557	4	-	-	-	-	-	-	
50558	3	-	-	-	-	-	-	
50559	4	-	-	-	-	-	-	
50560	3	-	-	-	-	-	-	
n	5	5	5	5	5	5	5	
Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<								

Urinary findings				Stage : Week 4					
Sex : Female (satellite)				Dose : TPGME 1000 mg/kg				Species : Rat	
	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
Animal No.	EU/dL								
50656	8.5	±	-	-	0.1	-	-	A	
50657	8.5	±	-	-	0.1	-	-	A	
50658	7.0	2+	-	-	0.1	-	-	A	
50659	8.5	±	-	-	0.1	-	-	A	
50660	8.5	+	-	-	0.1	-	-	A	
n	5	5	5	5	5	5	5	5	
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white									

Urinary findings		Stage : Week 4	Species : Rat
Sex : Female (satellite)		Dose : TPGME 1000 mg/kg	
Urine volume			
Animal No.	mL/21hr		
50656	16.0		
50657	10.5		
50658	14.5		
50659	8.0		
50660	14.0		
n	5		
Mean	12.60		
S.D.	3.27		

Urinary findings		Stage : Week 4						Species : Rat
Sex : Female (satellite)		Dose : TPGME 1000 mg/kg						
	Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast	
Animal No.								
50656	4	-	-	-	-	-	-	
50657	4	-	-	-	-	-	-	
50658	4	-	-	-	-	-	-	
50659	5	-	-	-	-	-	-	
50660	4	-	-	-	-	-	-	
n	5	5	5	5	5	5	5	
Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<								

Urinary findings		Stage : Recovery Week 2							Species : Rat
Sex : Male	Dose : TPGME 0 mg/kg								
pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color		
Animal No.	EU/dL								
10102	8.5	+	-	-	0.1	-	-	A	
10103	8.5	±	-	-	0.1	-	-	A	
10109	8.5	±	-	-	0.1	-	-	A	
10110	8.5	2+	-	-	0.1	-	-	A	
10112	8.5	+	-	-	0.1	-	-	A	
n	5	5	5	5	5	5	5	5	
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white									

Urinary findings		Stage : Recovery Week 2	Species : Rat
Sex : Male		Dose : TPGME 0 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10102	8.5		
10103	12.0		
10109	17.0		
10110	10.0		
10112	9.5		
n	5		
Mean	11.40		
S.D.	3.38		

Urinary findings		Stage : Recovery Week 2						Species : Rat
Sex : Male	Dose : TPGME 0 mg/kg							
Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast		
Animal No.								
10102	5	-	-	-	-	-	-	
10103	4	-	-	-	-	-	-	
10109	4	-	-	-	-	-	-	
10110	5	-	-	-	-	-	-	
10112	5	-	-	-	-	-	-	
n	5	5	5	5	5	5	5	
Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<								

Urinary findings		Stage : Recovery Week 2							Species : Rat
Sex : Male	Dose : TPGME 1000 mg/kg								
pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color		
Animal No.	EU/dL								
10402	8.5	+	-	-	0.1	-	-	A	
10404	8.5	+	-	-	0.1	-	-	A	
10405	8.5	+	-	-	0.1	-	-	A	
10406	8.5	+	-	-	0.1	-	-	A	
10409	8.5	+	-	-	0.1	-	±	A	
n	5	5	5	5	5	5	5	5	
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white									

Urinary findings		Stage : Recovery Week 2	Species : Rat
Sex : Male		Dose : TPGME 1000 mg/kg	
Urine volume			
Animal No.	mL/21hr		
10402	23.0		
10404	11.0		
10405	12.0		
10406	9.5		
10409	12.0		
n	5		
Mean	13.50		
S.D.	5.41		

	Urinary findings			Stage : Recovery Week 2			
	Sex : Male			Dose : TPGME 1000 mg/kg			Species : Rat
	Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast
Animal No.							
10402	3	-	-	-	-	-	-
10404	5	-	-	-	-	-	-
10405	5	-	-	-	-	-	-
10406	5	-	-	-	-	-	-
10409	5	-	-	-	-	-	-
n	5	5	5	5	5	5	5
Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<							

Urinary findings					Stage : Recovery Week 2				Species : Rat
Sex : Female (satellite)					Dose : TPGME 0 mg/kg				
	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color	
Animal No.	EU/dL								
50556	8.5	+	-	-	0.1	-	-	A	
50557	7.0	2+	-	-	0.1	-	-	A	
50558	8.5	+	-	-	0.1	-	-	A	
50559	8.5	±	-	-	0.1	-	-	A	
50560	8.5	2+	-	-	0.1	-	-	A	
n	5	5	5	5	5	5	5	5	
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white									

Urinary findings		Stage : Recovery Week 2	Species : Rat
Sex : Female (satellite)		Dose : TPGME 0 mg/kg	
Urine volume			
Animal No.	mL/21hr		
50556	10.5		
50557	11.0		
50558	13.0		
50559	17.5		
50560	15.0		
n	5		
Mean	13.40		
S.D.	2.90		

Urinary findings		Stage : Recovery Week 2						Species : Rat
Sex : Female (satellite)		Dose : TPGME 0 mg/kg						
Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast		
Animal No.								
50556	4	-	-	-	-	-	-	
50557	4	-	±	-	-	-	-	
50558	3	-	-	-	-	-	-	
50559	3	-	-	-	-	-	-	
50560	4	-	-	-	-	-	-	
n	5	5	5	5	5	5	5	
Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<								

Urinary findings				Stage : Recovery Week 2				Species : Rat
Sex : Female (satellite)				Dose : TPGME 1000 mg/kg				
	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	
Animal No.	EU/dL							
50656	7.0	±	-	-	0.1	-	-	A
50657	7.0	+	-	-	0.1	-	-	A
50658	8.0	+	-	-	0.1	-	-	A
50659	8.5	+	-	-	0.1	-	-	A
50660	8.5	2+	-	-	0.1	-	-	A
n	5	5	5	5	5	5	5	5
Color) A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white								

Urinary findings		Stage : Recovery Week 2	Species : Rat
Sex : Female (satellite)		Dose : TPGME 1000 mg/kg	
Urine volume			
Animal No.	mL/21hr		
50656	8.5		
50657	11.5		
50658	19.5		
50659	15.5		
50660	13.0		
n	5		
Mean	13.60		
S.D.	4.16		

Urinary findings		Stage : Recovery Week 2						Species : Rat
Sex : Female (satellite)		Dose : TPGME 1000 mg/kg						
	Specific gravity	RBC	WBC	Squamous	Urothelium	Tubular epithelium	Cast	
Animal No.								
50656	5	-	-	-	-	-	-	
50657	4	-	-	-	-	-	-	
50658	3	-	-	-	-	-	-	
50659	4	-	-	-	-	-	-	
50660	4	-	-	-	-	-	-	
n	5	5	5	5	5	5	5	
Specific gravity) 0;1.001~1.010,1;1.011~1.020,2;1.021~1.030,3;1.031~1.040,4;1.041~1.050,5;1.050<								

Hematological findings						Stage : Day 29		Species : Rat				
Sex : Male						Dose : TPGME 0 mg/kg						
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil	Lymphocyte	
Animal No.	10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL	10 ² /μL	
10101	124.1	905	16.4	47.8	52.8	18.1	34.3	99.1	3.31	20.2	98.4	
10104	62.8	830	14.8	42.3	51.0	17.8	35.0	94.9	2.52	13.6	44.9	
10105	79.9	941	15.8	47.4	50.4	16.8	33.3	118.8	2.13	13.4	61.6	
10106	89.3	845	15.4	45.0	53.3	18.2	34.2	91.5	2.71	16.5	68.1	
10107	77.4	881	15.5	44.7	50.7	17.6	34.7	94.6	2.89	10.1	61.8	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	86.70	880.4	15.58	45.44	51.64	17.70	34.30	99.78	2.712	14.76	66.96	
S.D.	22.96	44.9	0.58	2.24	1.32	0.56	0.64	10.97	0.437	3.79	19.57	

	Monocyte	Eosinophil	Basophil	PT	APTT	
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec	
10101	4.0	1.1	0.4	12.6	19.8	
10104	3.4	0.8	0.1	13.1	17.1	
10105	3.2	1.6	0.1	13.9	21.9	
10106	3.5	1.0	0.2	12.7	19.9	
10107	4.4	0.9	0.2	11.1	17.2	
n	5	5	5	5	5	
Mean	3.70	1.08	0.20	12.68	19.18	
S.D.	0.49	0.31	0.12	1.02	2.03	

Hematological findings					Stage : Day 29					Species : Rat		
Sex : Male					Dose : TPGME 100 mg/kg							
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil	Lymphocyte	
Animal No.	10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL	10 ² /μL	
10201	70.2	826	14.8	42.9	51.9	17.9	34.5	101.5	3.10	14.1	52.6	
10203	87.6	845	14.7	42.9	50.8	17.4	34.3	86.6	2.72	7.3	76.2	
10206	110.0	870	15.1	44.8	51.5	17.4	33.7	106.2	2.89	21.8	81.2	
10208	58.3	866	15.5	45.0	52.0	17.9	34.4	109.0	2.75	8.1	46.4	
10209	111.4	902	15.4	45.0	49.9	17.1	34.2	95.3	3.00	27.6	78.8	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	87.50	861.8	15.10	44.12	51.22	17.54	34.22	99.72	2.892	15.78	67.04	
S.D.	23.61	28.6	0.35	1.12	0.88	0.35	0.31	8.99	0.162	8.80	16.26	

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
10201	2.3	1.1	0.1	11.0	16.2
10203	3.0	0.9	0.2	12.4	17.9
10206	5.7	1.0	0.3	12.5	19.2
10208	3.0	0.7	0.1	13.4	19.5
10209	3.3	1.4	0.3	12.5	19.6
n	5	5	5	5	5
Mean	3.46	1.02	0.20	12.36	18.48
S.D.	1.30	0.26	0.10	0.86	1.44

Hematological findings					Stage : Day 29					Species : Rat		
Sex : Male					Dose : TPGME 300 mg/kg							
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil	Lymphocyte	
Animal No.	10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL	10 ² /μL	
10303	105.2	877	15.6	45.4	51.8	17.8	34.4	104.2	2.76	14.3	86.1	
10305	94.1	880	15.5	45.8	52.0	17.6	33.8	107.5	3.27	18.9	70.0	
10307	64.5	885	15.3	45.2	51.1	17.3	33.8	113.8	2.35	6.8	54.4	
10308	93.5	847	15.3	44.2	52.2	18.1	34.6	106.1	2.83	18.4	69.1	
10310	99.7	917	15.3	45.2	49.3	16.7	33.8	116.6	2.79	23.3	71.1	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	91.40	881.2	15.40	45.16	51.28	17.50	34.08	109.64	2.800	16.34	70.14	
S.D.	15.77	24.9	0.14	0.59	1.18	0.53	0.39	5.30	0.326	6.21	11.23	

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
10303	3.5	1.0	0.3	11.6	19.6
10305	3.5	1.5	0.2	15.7	20.6
10307	2.7	0.6	0.0	11.1	19.9
10308	4.9	0.9	0.2	11.7	19.4
10310	4.2	0.9	0.2	11.7	19.4
n	5	5	5	5	5
Mean	3.76	0.98	0.18	12.36	19.78
S.D.	0.83	0.33	0.11	1.88	0.50

Hematological findings					Stage : Day 29					Species : Rat		
Sex : Male					Dose : TPGME 1000 mg/kg							
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil	Lymphocyte	
Animal No.	10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL	10 ² /μL	
10401	100.9	843	14.9	44.1	52.3	17.7	33.8	116.7	3.54	15.8	79.0	
10403	100.7	867	15.4	45.2	52.1	17.8	34.1	106.2	3.05	18.9	77.1	
10407	108.6	775	14.7	42.6	55.0	19.0	34.5	110.5	3.38	25.2	77.7	
10408	76.7	809	14.6	42.5	52.5	18.0	34.4	118.4	3.02	12.2	59.9	
10410	66.0	895	15.9	46.2	51.6	17.8	34.4	119.9	2.44	13.0	48.2	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	90.58	837.8	15.10	44.12	52.70	18.06	34.24	114.34	3.086	17.02	68.38	
S.D.	18.24	47.2	0.54	1.61	1.33	0.54	0.29	5.79	0.423	5.28	13.74	

	Monocyte	Eosinophil	Basophil	PT	APTT	
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec	
10401	4.6	1.4	0.1	13.3	19.1	
10403	3.8	0.7	0.2	10.8	16.8	
10407	4.7	0.9	0.1	11.7	20.4	
10408	3.5	1.0	0.1	11.0	19.6	
10410	3.0	1.7	0.1	13.7	23.1	
n	5	5	5	5	5	
Mean	3.92	1.14	0.12	12.10	19.80	
S.D.	0.73	0.40	0.04	1.33	2.28	

Hematological findings					Stage : Day 14 after parturition					Species : Rat		
Sex : Female					Dose : TPGME 0 mg/kg							
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil	Lymphocyte	
Animal No.	10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL	10 ² /μL	
50152	83.1	712	14.4	40.7	57.2	20.2	35.4	105.6	5.22	23.9	54.4	
50153	84.3	780	14.4	40.7	52.2	18.5	35.4	97.3	2.60	34.1	47.1	
50158	67.1	746	13.8	39.8	53.4	18.5	34.7	111.2	2.62	23.6	39.5	
50159	130.5	773	14.6	40.4	52.3	18.9	36.1	121.4	2.55	70.8	56.7	
50160	108.6	779	15.6	43.5	55.8	20.0	35.9	137.0	3.23	62.9	43.2	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	94.72	758.0	14.56	41.02	54.18	19.22	35.50	114.50	3.244	43.06	48.18	
S.D.	24.90	29.2	0.65	1.43	2.23	0.82	0.54	15.33	1.139	22.30	7.29	

	Monocyte	Eosinophil	Basophil	PT	APTT	
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec	
50152	4.2	0.5	0.1	9.3	16.3	
50153	2.6	0.5	0.0	9.0	14.4	
50158	3.3	0.7	0.0	9.4	15.7	
50159	2.1	0.7	0.2	9.3	15.8	
50160	1.6	0.7	0.2	8.9	15.7	
n	5	5	5	5	5	
Mean	2.76	0.62	0.10	9.18	15.58	
S.D.	1.02	0.11	0.10	0.22	0.70	

Hematological findings				Stage : Day 14 after parturition				Species : Rat			
Sex : Female				Dose : TPGME 100 mg/kg							
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil	Lymphocyte
Animal No.	10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL	10 ² /μL
50252	76.0	756	15.3	42.6	56.3	20.2	35.9	107.1	4.07	27.1	45.6
50253	93.2	714	14.5	40.8	57.1	20.3	35.5	106.4	2.85	37.3	51.2
50256	81.9	810	15.0	42.2	52.1	18.5	35.5	119.7	2.07	34.0	45.6
50258	178.1	795	14.5	41.1	51.7	18.2	35.3	118.5	2.56	98.3	69.8
50261	108.4	709	13.9	38.7	54.6	19.6	35.9	116.6	3.06	47.7	56.3
n	5	5	5	5	5	5	5	5	5	5	5
Mean	107.52	756.8	14.64	41.08	54.36	19.36	35.62	113.66	2.922	48.88	53.70
S.D.	41.34	45.8	0.54	1.53	2.42	0.97	0.27	6.41	0.741	28.61	10.04

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
50252	2.6	0.6	0.1	9.7	15.7
50253	3.9	0.7	0.1	9.3	14.0
50256	2.1	0.1	0.1	9.0	13.1
50258	7.8	1.8	0.4	9.3	14.8
50261	3.3	1.0	0.1	9.2	15.6
n	5	5	5	5	5
Mean	3.94	0.84	0.16	9.30	14.64
S.D.	2.26	0.63	0.13	0.25	1.10

Hematological findings					Stage : Day 14 after parturition					Species : Rat		
Sex : Female					Dose : TPGME 300 mg/kg							
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil	Lymphocyte	
Animal No.	10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL	10 ² /μL	
50351	100.0	775	15.5	43.0	55.5	20.0	36.0	122.4	2.65	47.9	50.8	
50354	87.9	782	15.3	42.7	54.6	19.6	35.8	106.2	3.62	42.3	43.2	
50355	49.8	723	14.0	39.4	54.5	19.4	35.5	105.1	2.29	26.1	20.2	
50357	72.4	775	14.6	40.2	51.9	18.8	36.3	90.6	2.05	25.3	40.0	
50360	81.1	782	15.7	43.7	55.9	20.1	35.9	115.1	3.47	20.1	55.0	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	78.24	767.4	15.02	41.80	54.48	19.58	35.90	107.88	2.816	32.34	41.84	
S.D.	18.83	25.1	0.70	1.88	1.56	0.52	0.29	11.96	0.701	12.04	13.48	

	Monocyte	Eosinophil	Basophil	PT	APTT	
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec	
50351	1.0	0.2	0.1	9.3	15.9	
50354	2.1	0.2	0.1	9.2	13.2	
50355	2.7	0.7	0.1	9.3	14.3	
50357	5.8	1.2	0.1	9.5	14.9	
50360	4.9	1.0	0.1	9.3	15.6	
n	5	5	5	5	5	
Mean	3.30	0.66	0.10	9.32	14.78	
S.D.	1.99	0.46	0.00	0.11	1.08	

Hematological findings				Stage : Day 14 after parturition				Species : Rat			
Sex : Female				Dose : TPGME 1000 mg/kg							
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil	Lymphocyte
Animal No.	10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL	10 ² /μL
50451	103.6	785	15.1	42.5	54.1	19.2	35.5	98.1	2.95	35.6	62.9
50454	104.0	768	14.6	40.3	52.5	19.0	36.2	111.3	3.04	44.9	55.0
50456	134.0	789	14.6	41.3	52.3	18.5	35.4	116.8	2.45	51.8	74.2
50457	95.4	730	14.3	40.1	54.9	19.6	35.7	110.2	3.96	35.6	53.7
50458	64.5	755	15.5	42.8	56.7	20.5	36.2	104.6	4.39	23.7	36.1
n	5	5	5	5	5	5	5	5	5	5	5
Mean	100.30	765.4	14.82	41.40	54.10	19.36	35.80	108.20	3.358	38.32	56.38
S.D.	24.83	24.0	0.48	1.23	1.82	0.75	0.38	7.12	0.794	10.65	13.97

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
50451	4.6	0.4	0.1	9.2	14.2
50454	2.9	1.1	0.1	9.0	12.7
50456	7.1	0.7	0.2	9.4	13.6
50457	5.0	1.0	0.1	9.3	14.8
50458	4.2	0.5	0.0	9.3	13.7
n	5	5	5	5	5
Mean	4.76	0.74	0.10	9.24	13.80
S.D.	1.53	0.30	0.07	0.15	0.78

Hematological findings				Stage : Day 29				Species : Rat			
Sex : Female (satellite)				Dose : TPGME 0 mg/kg							
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil	Lymphocyte
Animal No.	10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL	10 ² /μL
50551	57.5	766	14.1	40.7	53.1	18.4	34.6	115.4	2.18	20.4	33.2
50552	51.2	851	15.0	42.8	50.3	17.6	35.0	118.2	1.82	7.4	41.3
50553	56.8	876	15.5	44.5	50.8	17.7	34.8	112.1	2.15	10.3	42.9
50554	67.6	873	15.9	45.8	52.5	18.2	34.7	112.2	2.15	12.2	51.6
50555	61.6	921	15.2	44.8	48.6	16.5	33.9	118.9	2.73	10.9	47.9
n	5	5	5	5	5	5	5	5	5	5	5
Mean	58.94	857.4	15.14	43.72	51.06	17.68	34.60	115.36	2.206	12.24	43.38
S.D.	6.10	57.1	0.67	2.00	1.80	0.74	0.42	3.21	0.328	4.89	7.00

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
50551	2.5	1.3	0.1	9.3	14.3
50552	1.5	0.9	0.1	9.7	12.5
50553	2.0	1.5	0.1	9.3	13.8
50554	2.8	0.8	0.2	9.7	12.7
50555	1.9	0.7	0.2	9.9	14.5
n	5	5	5	5	5
Mean	2.14	1.04	0.14	9.58	13.56
S.D.	0.51	0.34	0.05	0.27	0.92

Hematological findings				Stage : Day 29				Species : Rat			
Sex : Female (satellite)				Dose : TPGME 1000 mg/kg							
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil	Lymphocyte
Animal No.	10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL	10 ² /μL
50651	65.4	829	14.4	41.6	50.2	17.4	34.6	107.2	1.75	9.5	52.2
50652	47.7	872	14.9	44.4	50.9	17.1	33.6	119.8	2.85	7.5	38.7
50653	68.5	874	15.9	46.6	53.3	18.2	34.1	103.0	2.11	7.0	58.2
50654	91.5	820	14.6	43.0	52.4	17.8	34.0	88.0	2.53	9.2	78.5
50655	71.1	850	15.1	43.7	51.4	17.8	34.6	109.6	2.69	11.9	55.8
n	5	5	5	5	5	5	5	5	5	5	5
Mean	68.84	849.0	14.98	43.86	51.64	17.66	34.18	105.52	2.386	9.02	56.68
S.D.	15.63	24.5	0.58	1.85	1.23	0.42	0.43	11.58	0.450	1.93	14.34

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
50651	1.9	1.8	0.0	9.7	13.6
50652	1.0	0.4	0.1	9.8	14.1
50653	2.3	0.9	0.1	9.4	11.7
50654	2.7	1.0	0.1	9.3	17.4
50655	2.5	0.7	0.2	9.4	14.9
n	5	5	5	5	5
Mean	2.08	0.96	0.10	9.52	14.34
S.D.	0.67	0.52	0.07	0.22	2.08

Hematological findings					Stage : Recovery day 15					Species : Rat		
Sex : Male					Dose : TPGME 0 mg/kg							
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil	Lymphocyte	
Animal No.	10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL	10 ² /μL	
10102	90.8	881	15.0	43.0	48.8	17.0	34.9	104.6	2.28	20.7	62.5	
10103	71.5	762	14.8	41.0	53.8	19.4	36.1	104.0	2.34	11.6	55.4	
10109	76.6	933	16.6	47.5	50.9	17.8	34.9	111.0	2.50	23.3	48.3	
10110	72.4	841	14.2	41.1	48.9	16.9	34.5	104.4	2.34	8.1	59.6	
10112	103.4	819	14.9	43.1	52.6	18.2	34.6	103.9	3.31	13.7	83.2	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	82.94	847.2	15.10	43.14	51.00	17.86	35.00	105.58	2.554	15.48	61.80	
S.D.	13.81	64.4	0.89	2.63	2.22	1.02	0.64	3.04	0.430	6.35	13.10	

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
10102	5.6	1.8	0.2	11.3	20.1
10103	2.9	1.5	0.1	11.0	17.0
10109	3.4	1.5	0.1	11.3	17.4
10110	3.5	1.1	0.1	14.2	18.3
10112	4.7	1.7	0.1	12.9	18.5
n	5	5	5	5	5
Mean	4.02	1.52	0.12	12.14	18.26
S.D.	1.10	0.27	0.04	1.37	1.20

Hematological findings					Stage : Recovery day 15			Species : Rat			
Sex : Male					Dose : TPGME 1000 mg/kg						
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil	Lymphocyte
Animal No.	10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL	10 ² /μL
10402	83.6	850	15.4	44.2	52.0	18.1	34.8	104.5	3.25	14.8	63.9
10404	86.4	859	15.2	44.4	51.7	17.7	34.2	107.4	2.60	13.3	66.9
10405	106.9	888	14.9	43.8	49.3	16.8	34.0	101.2	2.80	17.9	81.0
10406	80.3	840	14.1	41.4	49.3	16.8	34.1	106.8	2.48	15.4	59.2
10409	64.2	805	14.8	42.9	53.3	18.4	34.5	115.7	3.15	16.1	41.6
n	5	5	5	5	5	5	5	5	5	5	5
Mean	84.28	848.4	14.88	43.34	51.12	17.56	34.32	107.12	2.856	15.50	62.52
S.D.	15.29	30.2	0.50	1.23	1.77	0.74	0.33	5.38	0.336	1.69	14.24

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
10402	3.6	1.2	0.1	10.9	19.3
10404	4.9	1.1	0.2	12.0	19.2
10405	6.7	1.2	0.1	12.7	18.9
10406	4.6	1.0	0.1	14.0	19.7
10409	5.0	1.4	0.1	15.5	22.6
n	5	5	5	5	5
Mean	4.96	1.18	0.12	13.02	19.94
S.D.	1.12	0.15	0.04	1.79	1.51

Hematological findings				Stage : Recovery day 15				Species : Rat			
Sex : Female (satellite)				Dose : TPGME 0 mg/kg							
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil	Lymphocyte
Animal No.	10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL	10 ² /μL
50556	32.1	785	14.2	40.7	51.8	18.1	34.9	92.8	1.84	3.5	26.7
50557	45.0	834	15.4	44.6	53.5	18.5	34.5	98.8	2.63	7.5	34.0
50558	47.9	810	14.6	41.8	51.6	18.0	34.9	93.8	2.28	7.2	37.6
50559	46.1	766	13.9	39.5	51.6	18.1	35.2	102.9	2.61	12.5	30.2
50560	50.7	779	14.5	41.3	53.0	18.6	35.1	91.3	3.63	8.9	38.6
n	5	5	5	5	5	5	5	5	5	5	5
Mean	44.36	794.8	14.52	41.58	52.30	18.26	34.92	95.92	2.598	7.92	33.42
S.D.	7.18	27.1	0.56	1.89	0.89	0.27	0.27	4.81	0.660	3.25	5.00

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
50556	1.5	0.4	0.0	9.5	14.5
50557	2.8	0.6	0.1	9.7	13.6
50558	2.4	0.7	0.0	9.3	12.0
50559	2.3	1.1	0.0	9.5	11.3
50560	2.4	0.8	0.0	9.0	15.0
n	5	5	5	5	5
Mean	2.28	0.72	0.02	9.40	13.28
S.D.	0.48	0.26	0.04	0.26	1.59

Hematological findings				Stage : Recovery day 15				Species : Rat			
Sex : Female (satellite)				Dose : TPGME 1000 mg/kg							
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	Platelet	Reticulocyte	Neutrophil	Lymphocyte
Animal No.	10 ² /μL	10 ⁴ /μL	g/dL	%	fL	pg	g/dL	10 ⁴ /μL	%	10 ² /μL	10 ² /μL
50656	23.7	757	14.1	40.2	53.1	18.6	35.1	90.0	3.27	5.6	16.5
50657	43.0	810	14.2	40.5	50.0	17.5	35.1	121.9	2.00	8.5	31.7
50658	55.3	801	14.7	42.5	53.1	18.4	34.6	110.1	2.24	8.1	44.5
50659	46.4	828	14.8	41.7	50.4	17.9	35.5	98.2	2.27	11.4	32.2
50660	58.5	806	14.2	41.1	51.0	17.6	34.5	123.5	2.20	16.0	39.0
n	5	5	5	5	5	5	5	5	5	5	5
Mean	45.38	800.4	14.40	41.20	51.52	18.00	34.96	108.74	2.396	9.92	32.78
S.D.	13.67	26.3	0.32	0.93	1.49	0.48	0.41	14.62	0.500	3.97	10.52

	Monocyte	Eosinophil	Basophil	PT	APTT
Animal No.	10 ² /μL	10 ² /μL	10 ² /μL	sec	sec
50656	1.2	0.3	0.1	9.7	11.9
50657	1.7	1.0	0.1	9.6	13.2
50658	1.7	1.0	0.0	9.5	18.1
50659	2.0	0.7	0.1	9.7	13.4
50660	2.5	0.9	0.1	9.8	15.3
n	5	5	5	5	5
Mean	1.82	0.78	0.08	9.66	14.38
S.D.	0.48	0.29	0.04	0.11	2.41

Biochemical findings					Stage : Day 29					Species : Rat	
Sex : Male					Dose : TPGME 0 mg/kg						
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
10101	65	34	112	0.6	0.07	14.3	171	80	25	5.7	15.4
10104	78	34	137	0.4	0.08	4.8	164	51	28	5.2	13.9
10105	74	34	120	0.6	0.05	11.0	154	50	42	5.7	13.1
10106	60	31	88	0.3	0.06	4.6	143	47	66	5.3	13.2
10107	64	42	107	0.5	0.06	8.5	149	70	66	5.5	13.6
n	5	5	5	5	5	5	5	5	5	5	5
Mean	68.2	35.0	112.8	0.48	0.064	8.64	156.2	59.6	45.4	5.48	13.84
S.D.	7.5	4.1	17.9	0.13	0.011	4.14	11.3	14.6	19.9	0.23	0.93

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
10101	0.32	145	4.52	104	9.0	6.7	1.00	2.84	49.9	18.6	8.4
10104	0.31	143	4.36	104	8.8	6.1	0.96	2.55	49.1	17.5	9.6
10105	0.28	145	4.60	105	9.1	6.1	0.81	2.55	44.7	23.4	8.3
10106	0.30	145	4.48	104	9.4	6.6	0.88	2.48	46.7	25.2	9.2
10107	0.25	144	4.04	103	9.6	6.6	0.81	2.46	44.8	25.3	8.8
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.292	144.4	4.400	104.0	9.18	6.42	0.892	2.576	47.04	22.00	8.86
S.D.	0.028	0.9	0.219	0.7	0.32	0.29	0.086	0.153	2.40	3.70	0.55

	β -G	γ -G
Animal No.	%	%
10101	16.0	7.1
10104	17.1	6.7
10105	16.6	7.0
10106	15.1	3.8
10107	15.6	5.5
n	5	5
Mean	16.08	6.02
S.D.	0.79	1.40

Biochemical findings					Stage : Day 29					Species : Rat	
Sex : Male					Dose : TPGME 100 mg/kg						
	AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
10201	89	34	96	0.6	0.08	8.7	166	57	12	5.5	13.7
10203	72	36	132	1.0	0.06	8.3	124	51	18	5.4	14.2
10206	72	35	131	0.4	0.05	12.5	154	54	73	5.8	12.1
10208	73	28	159	0.5	0.09	11.2	153	55	27	5.3	12.4
10209	74	33	101	0.5	0.05	5.0	146	61	35	5.7	12.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	76.0	33.2	123.8	0.60	0.066	9.14	148.6	55.6	33.0	5.54	12.92
S.D.	7.3	3.1	25.7	0.23	0.018	2.90	15.5	3.7	24.0	0.21	0.96

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α1-G	α2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
10201	0.33	144	4.52	103	9.1	6.6	0.83	2.50	45.5	23.0	8.5
10203	0.32	145	4.13	105	9.1	6.1	0.86	2.49	46.1	23.7	8.8
10206	0.26	146	4.36	104	10.0	6.2	0.79	2.56	44.1	25.1	8.9
10208	0.25	146	4.42	105	9.2	6.5	1.08	2.75	51.9	19.1	9.6
10209	0.27	145	4.65	105	9.1	5.8	0.76	2.47	43.3	23.6	9.5
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.286	145.2	4.416	104.4	9.30	6.24	0.864	2.554	46.18	22.90	9.06
S.D.	0.036	0.8	0.194	0.9	0.39	0.32	0.127	0.115	3.38	2.26	0.47

	β-G	γ-G
Animal No.	%	%
10201	17.0	6.0
10203	15.7	5.7
10206	17.2	4.7
10208	15.3	4.1
10209	16.1	7.5
n	5	5
Mean	16.26	5.60
S.D.	0.82	1.31

Biochemical findings					Stage : Day 29			Species : Rat			
Sex : Male					Dose : TPGME 300 mg/kg						
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
10303	58	27	77	0.5	0.05	6.4	161	60	27	5.6	15.4
10305	57	32	134	0.5	0.04	7.3	150	65	32	5.5	14.5
10307	76	25	122	0.4	0.07	32.5	160	80	41	6.1	16.9
10308	65	25	132	0.4	0.06	12.5	144	70	61	5.9	11.6
10310	79	35	161	0.6	0.06	6.0	152	66	30	5.9	14.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	67.0	28.8	125.2	0.48	0.056	12.94	153.4	68.2	38.2	5.80	14.52
S.D.	10.1	4.5	30.6	0.08	0.011	11.24	7.1	7.5	13.8	0.24	1.94

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
10303	0.33	144	4.61	104	9.1	6.1	0.88	2.63	46.9	24.5	8.5
10305	0.27	145	4.46	105	8.9	5.7	0.94	2.66	48.4	23.0	9.0
10307	0.29	144	4.95	102	9.9	6.2	0.86	2.81	46.1	25.7	8.9
10308	0.23	146	4.55	105	9.9	6.7	0.90	2.79	47.3	24.7	8.8
10310	0.28	143	4.72	104	9.6	6.4	0.84	2.70	45.7	21.8	8.3
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.280	144.4	4.658	104.0	9.48	6.22	0.884	2.718	46.88	23.94	8.70
S.D.	0.036	1.1	0.189	1.2	0.46	0.37	0.038	0.079	1.06	1.54	0.29

	β -G	γ -G
Animal No.	%	%
10303	14.5	5.6
10305	15.1	4.5
10307	15.5	3.8
10308	15.0	4.2
10310	17.0	7.2
n	5	5
Mean	15.42	5.06
S.D.	0.95	1.37

Biochemical findings Sex : Male						Stage : Day 29 Dose : TPGME 1000 mg/kg			Species : Rat		
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
10401	51	22	122	0.6	0.06	24.1	150	67	51	6.0	15.9
10403	76	31	102	0.4	0.06	4.4	153	72	29	5.5	16.5
10407	61	26	86	0.8	0.04	5.0	143	83	24	5.8	15.4
10408	69	36	116	0.5	0.05	6.7	132	62	19	5.8	14.6
10410	61	28	108	0.4	0.06	4.9	156	94	33	5.9	13.0
n	5	5	5	5	5	5	5	5	5	5	5
Mean	63.6	28.6	106.8	0.54	0.054	9.02	146.8	75.6	31.2	5.80	15.08
S.D.	9.4	5.3	13.9	0.17	0.009	8.47	9.6	12.9	12.3	0.19	1.36

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
10401	0.27	142	4.48	100	9.8	6.6	0.98	2.97	49.5	21.9	8.5
10403	0.35	144	4.67	103	9.0	6.1	0.87	2.56	46.5	21.2	9.7
10407	0.35	144	4.42	103	9.2	6.0	0.78	2.55	43.9	23.6	9.0
10408	0.29	146	4.19	104	9.5	6.2	0.83	2.63	45.4	25.4	8.3
10410	0.24	145	4.49	102	9.4	6.2	0.87	2.74	46.4	23.4	9.1
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.300	144.2	4.450	102.4	9.38	6.22	0.866	2.690	46.34	23.10	8.92
S.D.	0.049	1.5	0.173	1.5	0.30	0.23	0.074	0.174	2.05	1.63	0.55

	β -G	γ -G
Animal No.	%	%
10401	16.5	3.6
10403	17.0	5.6
10407	17.6	5.9
10408	15.2	5.7
10410	16.2	4.9
n	5	5
Mean	16.50	5.14
S.D.	0.90	0.94

Biochemical findings		Stage : Day 14 after parturition									
Sex : Female		Dose : TPGME 0 mg/kg									
		Species : Rat									
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
50152	123	54	62	0.5	0.06	30.1	138	96	99	6.2	23.4
50153	94	64	63	0.6	0.05	12.9	129	98	66	6.0	23.1
50158	116	70	94	0.7	0.05	16.4	152	78	135	5.2	21.1
50159	296	133	110	0.9	0.08	44.3	125	111	99	5.5	27.0
50160	199	105	97	1.1	0.07	17.3	122	105	50	6.8	33.6
n	5	5	5	5	5	5	5	5	5	5	5
Mean	165.6	85.2	85.2	0.76	0.062	24.20	133.2	97.6	89.8	5.94	25.64
S.D.	82.9	32.9	21.6	0.24	0.013	12.99	12.1	12.5	33.0	0.62	4.93

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
50152	0.36	139	4.10	97	9.8	7.7	0.93	2.99	48.3	25.6	7.9
50153	0.34	140	4.18	99	9.7	7.7	0.84	2.74	45.7	25.7	8.6
50158	0.46	141	4.57	102	9.2	6.2	0.91	2.48	47.7	22.5	8.2
50159	0.42	140	3.94	100	9.5	8.2	0.86	2.54	46.2	21.7	11.7
50160	0.46	137	4.51	97	9.8	9.2	0.84	3.10	45.6	23.1	10.5
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.408	139.4	4.260	99.0	9.60	7.80	0.876	2.770	46.70	23.72	9.38
S.D.	0.056	1.5	0.271	2.1	0.25	1.08	0.042	0.272	1.23	1.83	1.65

	β -G	γ -G
Animal No.	%	%
50152	14.8	3.4
50153	15.8	4.2
50158	17.4	4.2
50159	17.3	3.1
50160	16.4	4.4
n	5	5
Mean	16.34	3.86
S.D.	1.09	0.57

Biochemical findings					Stage : Day 14 after parturition					Species : Rat		
Sex : Female					Dose : TPGME 100 mg/kg							
	AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN	
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL	
50252	109	70	65	0.5	0.06	15.6	123	89	52	5.8	27.4	
50253	95	49	65	0.6	0.05	11.4	146	80	71	5.7	18.2	
50256	146	72	107	0.6	0.05	19.5	143	139	142	6.0	24.6	
50258	101	61	98	0.7	0.05	43.1	132	88	113	6.1	22.7	
50261	124	60	98	0.6	0.05	21.8	164	90	75	6.2	17.8	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	115.0	62.4	86.6	0.60	0.052	22.28	141.6	97.2	90.6	5.96	22.14	
S.D.	20.5	9.2	20.1	0.07	0.004	12.29	15.5	23.7	36.3	0.21	4.13	

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α1-G	α2-G	
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%	
50252	0.38	140	4.14	100	9.6	9.5	0.80	2.57	44.3	26.1	9.1	
50253	0.32	139	4.88	99	9.6	8.9	0.90	2.70	47.4	24.5	7.8	
50256	0.35	137	4.46	97	9.8	9.1	0.78	2.62	43.7	25.9	10.8	
50258	0.36	140	4.39	97	10.0	7.7	0.92	2.93	48.0	18.9	9.3	
50261	0.31	141	4.16	101	9.7	6.9	0.85	2.85	46.0	24.7	9.2	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	0.344	139.4	4.406	98.8	9.74	8.42	0.850	2.734	45.88	24.02	9.24	
S.D.	0.029	1.5	0.300	1.8	0.17	1.08	0.061	0.152	1.88	2.95	1.06	

	β-G	γ-G	
Animal No.	%	%	
50252	15.7	4.8	
50253	15.8	4.5	
50256	15.3	4.3	
50258	16.9	6.9	
50261	16.0	4.1	
n	5	5	
Mean	15.94	4.92	
S.D.	0.59	1.14	

Biochemical findings						Stage : Day 14 after parturition						Species : Rat	
Sex : Female						Dose : TPGME 300 mg/kg							
	AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN		
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL		
50351	198	96	100	1.0	0.07	40.3	140	110	104	6.5	31.2		
50354	119	55	140	1.0	0.07	21.4	143	87	172	6.0	25.5		
50355	110	58	73	1.0	0.03	18.1	137	86	27	5.9	25.0		
50357	108	62	72	0.8	0.04	16.8	139	73	65	5.9	17.8		
50360	111	57	52	0.7	0.04	17.5	125	88	81	6.1	25.1		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	129.2	65.6	87.4	0.90	0.050	22.82	136.8	88.8	89.8	6.08	24.92		
S.D.	38.7	17.2	34.0	0.14	0.019	9.93	6.9	13.3	53.8	0.25	4.76		

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α1-G	α2-G		
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%		
50351	0.44	136	4.93	95	10.1	9.0	0.92	3.11	47.8	22.1	8.0		
50354	0.40	140	4.25	97	10.0	8.2	0.97	2.95	49.2	22.0	8.0		
50355	0.36	142	3.98	103	9.3	6.3	0.87	2.75	46.6	22.2	8.6		
50357	0.34	139	3.84	98	9.4	6.0	0.90	2.80	47.5	21.8	8.7		
50360	0.37	141	4.46	98	9.8	6.3	0.80	2.71	44.4	25.5	9.3		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	0.382	139.6	4.292	98.2	9.72	7.16	0.892	2.864	47.10	22.72	8.52		
S.D.	0.039	2.3	0.430	2.9	0.36	1.35	0.063	0.165	1.77	1.56	0.54		

	β-G	γ-G		
Animal No.	%	%		
50351	17.1	5.0		
50354	17.5	3.3		
50355	16.2	6.4		
50357	16.0	6.0		
50360	15.6	5.2		
n	5	5		
Mean	16.48	5.18		
S.D.	0.79	1.20		

Biochemical findings					Stage : Day 14 after parturition					Species : Rat		
Sex : Female					Dose : TPGME 1000 mg/kg							
	AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Chol	TG	TP	UN	
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL	
50451	89	56	82	0.5	0.04	10.0	129	90	44	5.7	24.5	
50454	118	66	73	0.6	0.04	39.3	120	128	125	6.2	27.1	
50456	92	55	60	1.0	0.03	36.0	129	116	90	6.0	23.2	
50457	77	49	86	0.6	0.03	60.8	128	79	85	6.1	21.9	
50458	74	41	64	1.3	0.03	14.0	133	102	66	6.2	23.3	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	90.0	53.4	73.0	0.80	0.034	32.02	127.8	103.0	82.0	6.04	24.00	
S.D.	17.4	9.2	11.2	0.34	0.005	20.66	4.8	19.6	30.1	0.21	1.96	

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α1-G	α2-G	
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%	
50451	0.36	140	4.24	101	9.2	6.4	0.91	2.71	47.6	22.4	8.0	
50454	0.40	138	4.37	97	9.6	8.2	0.87	2.88	46.5	24.7	7.2	
50456	0.37	140	4.11	99	9.9	6.3	0.86	2.77	46.1	21.0	9.0	
50457	0.32	142	3.98	98	10.3	7.4	0.86	2.82	46.3	21.8	9.9	
50458	0.34	139	4.56	99	9.7	7.0	0.93	2.99	48.2	23.0	7.7	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	0.358	139.8	4.252	98.8	9.74	7.06	0.886	2.834	46.94	22.58	8.36	
S.D.	0.030	1.5	0.225	1.5	0.40	0.78	0.032	0.107	0.91	1.40	1.08	

	β-G	γ-G	
Animal No.	%	%	
50451	16.7	5.3	
50454	16.7	4.9	
50456	18.0	5.9	
50457	16.2	5.8	
50458	16.5	4.6	
n	5	5	
Mean	16.82	5.30	
S.D.	0.69	0.56	

Biochemical findings Sex : Female (satellite)					Stage : Day 29 Dose : TPGME 0 mg/kg			Species : Rat			
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
50551	93	33	69	0.4	0.10	15.2	148	70	14	6.6	15.1
50552	61	24	62	0.8	0.08	18.5	112	85	8	6.1	17.5
50553	80	29	88	0.9	0.07	6.7	126	91	10	5.9	18.1
50554	60	25	47	0.9	0.09	11.1	131	63	12	6.1	18.4
50555	54	21	39	0.5	0.07	11.4	130	68	19	6.2	13.7
n	5	5	5	5	5	5	5	5	5	5	5
Mean	69.6	26.4	61.0	0.70	0.082	12.58	129.4	75.4	12.6	6.18	16.56
S.D.	16.3	4.7	19.2	0.23	0.013	4.47	12.9	12.0	4.2	0.26	2.06

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
50551	0.33	143	4.24	102	9.8	6.7	1.11	3.47	52.6	21.5	6.1
50552	0.38	142	4.54	103	9.4	6.8	1.00	3.06	50.1	21.2	6.4
50553	0.34	143	4.49	103	9.4	6.5	0.96	2.90	49.1	20.9	7.8
50554	0.38	143	4.13	104	9.8	6.3	1.05	3.12	51.2	21.9	6.6
50555	0.29	143	5.04	104	9.8	6.1	1.01	3.11	50.2	20.9	7.4
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.344	142.8	4.488	103.2	9.64	6.48	1.026	3.132	50.64	21.28	6.86
S.D.	0.038	0.4	0.353	0.8	0.22	0.29	0.057	0.208	1.32	0.43	0.71

	β -G	γ -G
Animal No.	%	%
50551	13.1	6.7
50552	16.0	6.3
50553	16.3	5.9
50554	14.3	6.0
50555	14.0	7.5
n	5	5
Mean	14.74	6.48
S.D.	1.36	0.65

Biochemical findings Sex : Female (satellite)						Stage : Day 29 Dose : TPGME 1000 mg/kg			Species : Rat		
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
50651	70	29	53	0.9	0.04	3.8	115	73	12	6.4	14.3
50652	65	21	60	1.4	0.04	6.5	132	60	12	5.9	16.2
50653	60	20	57	1.4	0.05	4.5	106	74	14	5.9	17.8
50654	59	26	27	0.8	0.06	6.8	116	90	42	6.6	13.9
50655	75	24	53	0.7	0.06	7.1	138	76	12	6.3	16.0
n	5	5	5	5	5	5	5	5	5	5	5
Mean	65.8	24.0	50.0	1.04	0.050	5.74	121.4	74.6	18.4	6.22	15.64
S.D.	6.8	3.7	13.2	0.34	0.010	1.49	13.2	10.7	13.2	0.31	1.58

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
50651	0.35	140	4.49	101	9.7	6.5	0.99	3.19	49.8	21.2	6.7
50652	0.34	143	4.74	105	8.9	6.5	0.95	2.88	48.8	18.9	7.5
50653	0.35	144	4.49	106	9.7	6.5	0.89	2.78	47.2	22.0	7.9
50654	0.30	142	4.40	102	10.3	5.6	0.99	3.28	49.7	22.5	7.5
50655	0.31	143	3.82	102	9.4	7.3	1.14	3.35	53.2	15.2	8.6
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.330	142.4	4.388	103.2	9.60	6.48	0.992	3.096	49.74	19.96	7.64
S.D.	0.023	1.5	0.342	2.2	0.51	0.60	0.092	0.252	2.20	3.00	0.69

	β -G	γ -G
Animal No.	%	%
50651	14.5	7.8
50652	16.4	8.4
50653	15.9	7.0
50654	14.0	6.3
50655	16.0	7.0
n	5	5
Mean	15.36	7.30
S.D.	1.05	0.81

Biochemical findings					Stage : Recovery day 15					Species : Rat		
Sex : Male					Dose : TPGME 0 mg/kg							
	AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN	
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL	
10102	64	29	101	0.4	0.10	8.6	163	73	44	5.7	11.7	
10103	64	28	76	0.4	0.07	16.1	111	53	8	5.4	14.2	
10109	68	29	94	0.4	0.07	10.6	124	73	18	5.8	13.2	
10110	67	28	115	0.3	0.07	8.2	145	64	26	5.0	13.1	
10112	76	31	79	0.4	0.06	5.5	136	75	30	5.5	12.0	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	67.8	29.0	93.0	0.38	0.074	9.80	135.8	67.6	25.2	5.48	12.84	
S.D.	4.9	1.2	16.1	0.04	0.015	3.96	19.9	9.2	13.5	0.31	1.01	

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α1-G	α2-G	
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%	
10102	0.25	143	4.62	104	9.6	5.9	0.80	2.53	44.4	25.0	8.8	
10103	0.32	145	4.53	106	9.4	5.5	0.90	2.55	47.3	25.6	7.5	
10109	0.29	144	4.54	104	9.4	6.0	0.90	2.74	47.3	23.6	7.3	
10110	0.36	145	4.42	105	9.1	5.9	0.92	2.40	48.0	24.0	8.5	
10112	0.29	143	4.18	103	9.4	5.8	0.77	2.39	43.5	25.9	8.9	
n	5	5	5	5	5	5	5	5	5	5	5	
Mean	0.302	144.0	4.458	104.4	9.38	5.82	0.858	2.522	46.10	24.82	8.20	
S.D.	0.041	1.0	0.171	1.1	0.18	0.19	0.068	0.142	2.01	1.00	0.75	

	β-G	γ-G	
Animal No.	%	%	
10102	16.4	5.4	
10103	14.0	5.6	
10109	16.1	5.7	
10110	15.7	3.8	
10112	15.8	5.9	
n	5	5	
Mean	15.60	5.28	
S.D.	0.94	0.85	

Biochemical findings					Stage : Recovery day 15					Species : Rat	
Sex : Male					Dose : TPGME 1000 mg/kg						
	AST	ALT	ALP	γ-GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μmol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL
10402	67	28	81	0.7	0.05	7.5	136	91	35	6.1	13.3
10404	71	42	93	0.7	0.05	11.6	152	105	53	6.0	15.8
10405	80	32	109	0.6	0.06	8.1	131	73	82	5.8	14.1
10406	92	45	143	0.5	0.07	14.7	148	62	22	5.6	16.2
10409	103	50	151	0.9	0.08	8.2	131	57	17	5.7	11.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	82.6	39.4	115.4	0.68	0.062	10.02	139.6	77.6	41.8	5.84	14.12
S.D.	14.9	9.2	30.6	0.15	0.013	3.07	9.8	20.1	26.4	0.21	2.02

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α1-G	α2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
10402	0.31	143	4.77	101	10.1	6.2	0.72	2.56	42.0	29.4	7.5
10404	0.28	144	4.49	104	9.7	6.2	0.86	2.77	46.2	28.1	7.4
10405	0.32	144	4.55	103	9.8	6.1	0.70	2.38	41.0	29.4	8.2
10406	0.34	143	4.50	103	9.0	6.1	0.65	2.21	39.4	27.5	8.5
10409	0.27	143	4.35	103	9.1	6.0	0.79	2.51	44.1	26.1	8.4
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.304	143.4	4.532	102.8	9.54	6.12	0.744	2.486	42.54	28.10	8.00
S.D.	0.029	0.5	0.152	1.1	0.47	0.08	0.082	0.209	2.66	1.39	0.51

	β-G	γ-G
Animal No.	%	%
10402	15.6	5.5
10404	14.8	3.5
10405	16.8	4.6
10406	16.3	8.3
10409	15.5	5.9
n	5	5
Mean	15.80	5.56
S.D.	0.77	1.79

Biochemical findings Sex : Female (satellite)						Stage : Recovery day 15 Dose : TPGME 0 mg/kg						Species : Rat	
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN		
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL		
50556	82	40	41	0.7	0.07	5.2	118	82	11	6.1	16.4		
50557	140	76	57	1.0	0.09	26.2	115	59	13	5.9	19.8		
50558	101	48	37	0.9	0.10	15.0	126	78	16	6.7	14.6		
50559	65	28	43	0.8	0.08	16.0	142	74	31	6.1	12.8		
50560	552	167	43	0.9	0.12	65.2	131	104	18	6.8	12.9		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	188.0	71.8	44.2	0.86	0.092	25.52	126.4	79.4	17.8	6.32	15.30		
S.D.	205.4	56.1	7.6	0.11	0.019	23.39	10.8	16.3	7.9	0.40	2.91		

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
50556	0.36	143	4.39	105	9.5	4.8	1.08	3.17	52.0	18.7	7.4
50557	0.38	144	4.52	105	9.7	5.6	1.02	2.98	50.5	18.5	8.0
50558	0.32	143	5.03	106	10.1	5.0	1.16	3.59	53.6	19.1	7.4
50559	0.33	143	4.59	107	10.1	4.9	1.16	3.28	53.8	16.3	6.4
50560	0.30	143	4.33	103	10.3	5.3	1.09	3.55	52.2	20.8	7.6
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.338	143.2	4.572	105.2	9.94	5.12	1.102	3.314	52.42	18.68	7.36
S.D.	0.032	0.4	0.276	1.5	0.33	0.33	0.059	0.258	1.34	1.61	0.59

	β -G	γ -G
Animal No.	%	%
50556	15.0	6.9
50557	15.9	7.1
50558	14.5	5.4
50559	15.1	8.4
50560	14.1	5.3
n	5	5
Mean	14.92	6.62
S.D.	0.68	1.29

Biochemical findings Sex : Female (satellite)						Stage : Recovery day 15 Dose : TPGME 1000 mg/kg						Species : Rat	
	AST	ALT	ALP	γ -GTP	T-Bil	TBA	Glucose	T-Cho	TG	TP	UN		
Animal No.	IU/L	IU/L	U/L	IU/L	mg/dL	μ mol/L	mg/dL	mg/dL	mg/dL	g/dL	mg/dL		
50656	61	22	38	1.1	0.07	6.7	147	74	12	6.1	15.9		
50657	78	47	68	0.7	0.09	44.1	139	72	17	6.7	13.7		
50658	42	20	30	0.4	0.08	13.8	141	124	20	7.1	14.7		
50659	59	23	61	0.6	0.08	12.6	156	75	15	6.0	15.5		
50660	66	28	69	0.9	0.08	16.5	137	62	9	5.7	14.4		
n	5	5	5	5	5	5	5	5	5	5	5		
Mean	61.2	28.0	53.2	0.74	0.080	18.74	144.0	81.4	14.6	6.32	14.84		
S.D.	13.0	11.0	18.0	0.27	0.007	14.62	7.7	24.4	4.3	0.57	0.88		

	Crea	Na	K	Cl	Ca	IP	A/G	Albumin	Albumin	α 1-G	α 2-G
Animal No.	mg/dL	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL		g/dL	%	%	%
50656	0.33	143	4.55	105	9.7	4.6	1.02	3.09	50.6	19.5	8.0
50657	0.33	143	4.51	105	10.0	4.2	1.07	3.47	51.8	18.7	7.2
50658	0.30	142	4.43	103	10.6	4.8	1.27	3.97	55.9	19.4	6.5
50659	0.32	142	4.90	105	9.3	5.0	0.97	2.96	49.3	21.4	6.8
50660	0.32	143	4.37	103	9.2	5.1	0.98	2.82	49.5	20.6	8.3
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.320	142.6	4.552	104.2	9.76	4.74	1.062	3.262	51.42	19.92	7.36
S.D.	0.012	0.5	0.207	1.1	0.57	0.36	0.123	0.464	2.70	1.07	0.77

	β -G	γ -G
Animal No.	%	%
50656	16.1	5.8
50657	15.6	6.7
50658	12.3	5.9
50659	14.6	7.9
50660	15.0	6.6
n	5	5
Mean	14.72	6.58
S.D.	1.47	0.84

Serum T4 concentration		Stage : Day 29	Species : Rat
Sex : Male		Dose : TPGME 0 mg/kg	
T4			
Animal No.	ng/mL		
10101	37.6		
10104	57.3		
10105	44.4		
10106	53.4		
10107	54.1		
10108	50.5		
10111	48.0		
n	7		
Mean	49.33		
S.D.	6.68		

Serum T4 concentration		Stage : Day 29	Species : Rat
Sex : Male		Dose : TPGME 100 mg/kg	
T4			
Animal No.	ng/mL		
10201	55.8		
10202	58.0		
10203	47.5		
10204	54.5		
10205	53.2		
10206	56.0		
10207	54.2		
10208	49.9		
10209	52.0		
10210	50.9		
10211	53.3		
10212	42.7		
n	12		
Mean	52.33		
S.D.	4.17		

Serum T4 concentration		Stage : Day 29	Species : Rat
Sex : Male		Dose : TPGME 300 mg/kg	
T4			
Animal No.	ng/mL		
10301	45.7		
10302	44.4		
10303	51.6		
10304	61.0		
10305	38.9		
10306	52.6		
10307	44.0		
10308	52.6		
10309	41.3		
10310	46.1		
10311	43.0		
10312	48.9		
n	12		
Mean	47.51		
S.D.	6.13		

Serum T4 concentration		Stage : Day 29	Species : Rat
Sex : Male		Dose : TPGME 1000 mg/kg	
T4			
Animal No.	ng/mL		
10401	41.3		
10403	36.5		
10407	44.5		
10408	39.2		
10410	45.1		
10411	32.3		
10412	47.9		
n	7		
Mean	40.97		
S.D.	5.42		

Serum T4 concentration		Stage : Day 14 after parturition	Species : Rat
Sex : Female		Dose : TPGME 0 mg/kg	
T4			
Animal No.	ng/mL		
50151	39.3		
50152	33.9		
50153	38.0		
50154	25.7		
50155	28.0		
50156	48.3		
50157	39.4		
50158	28.1		
50159	32.9		
50160	34.7		
50161	44.3		
50162	31.4		
n	12		
Mean	35.33		
S.D.	6.81		

Serum T4 concentration		Stage : Day 14 after parturition	Species : Rat
Sex : Female		Dose : TPGME 100 mg/kg	
T4			
Animal No.	ng/mL		
50251	44.9		
50252	47.1		
50253	30.1		
50254	41.1		
50255	33.9		
50256	27.1		
50257	24.6		
50258	40.9		
50259	34.6		
50260	43.2		
50261	43.1		
50262	34.4		
n	12		
Mean	37.08		
S.D.	7.35		

Serum T4 concentration		Stage : Day 14 after parturition	Species : Rat
Sex : Female		Dose : TPGME 300 mg/kg	
T4			
Animal No.	ng/mL		
50351	40.5		
50352	39.5		
50353	35.6		
50354	35.5		
50355	46.7		
50356	31.2		
50357	28.6		
50358	37.0		
50359	35.7		
50360	29.0		
50361	48.2		
50362	39.2		
n	12		
Mean	37.23		
S.D.	6.15		

Serum T4 concentration Sex : Female		Stage : Day 14 after parturition Dose : TPGME 1000 mg/kg	Species : Rat
T4			
Animal No.	ng/mL		
50451	32.9		
50452	28.4		
50453	29.6 \$		
50454	33.9		
50455	26.4		
50456	33.4		
50457	34.1		
50458	36.5		
50459	29.9		
50460	29.2		
50461	34.0		
50462	37.0		
n	11		
Mean	32.34		
S.D.	3.40		
\$: Excepted data from calculation (non-pregnancy)			

Serum T4 concentration		Stage : Day 29	Species : Rat
Sex : Female (satellite)		Dose : TPGME 0 mg/kg	
T4			
Animal No.	ng/mL		
50551	32.4		
50552	26.4		
50553	36.1		
50554	22.2		
50555	27.8		
n	5		
Mean	28.98		
S.D.	5.39		

Serum T4 concentration Sex : Female (satellite)		Stage : Day 29 Dose : TPGME 1000 mg/kg	Species : Rat
T4			
Animal No.	ng/mL		
50651	34.6		
50652	31.5		
50653	27.9		
50654	24.8		
50655	32.8		
n	5		
Mean	30.32		
S.D.	3.94		

Serum T4 concentration		Stage : Recovery day 15	Species : Rat
Sex : Male		Dose : TPGME 0 mg/kg	
T4			
Animal No.	ng/mL		
10102	46.5		
10103	39.1		
10109	43.7		
10110	50.9		
10112	47.4		
n	5		
Mean	45.52		
S.D.	4.41		

Serum T4 concentration		Stage : Recovery day 15	
Sex : Male		Dose : TPGME 1000 mg/kg	
T4		Species : Rat	
Animal No.	ng/mL		
10402	45.3		
10404	44.5		
10405	57.9		
10406	57.7		
10409	48.2		
n	5		
Mean	50.72		
S.D.	6.61		

Serum T4 concentration		Stage : Recovery day 15	Species : Rat
Sex : Female (satellite)		Dose : TPGME 0 mg/kg	
T4			
Animal No.	ng/mL		
50556	26.3		
50557	35.5		
50558	25.1		
50559	35.3		
50560	29.3		
n	5		
Mean	30.30		
S.D.	4.90		

Serum T4 concentration		Stage : Recovery day 15	
Sex : Female (satellite)		Dose : TPGME 1000 mg/kg	
T4		Species : Rat	
Animal No.	ng/mL		
50656	34.4		
50657	31.1		
50658	17.3		
50659	37.1		
50660	41.5		
n	5		
Mean	32.28		
S.D.	9.20		

Necropsy findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10101		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10104		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10105		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10106		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10107		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10108		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10111		
Finding absent :	All organs & tissues			

Necropsy findings Sex : Male			Stage : Day 29	Species : Rat
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10201		
Testis				
Findings : Finding present				
Small size				
Non-graded change				
Finding Comment : unilateral : left				
Epididymis				
Findings : Finding present				
Small size				
Non-graded change				
Finding Comment : unilateral : left				
Finding absent :	Other organs & tissues			
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10202		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10203		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10204		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10205		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10206		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10207		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10208		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10209		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10210		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10211		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10212		
Finding absent :	All organs & tissues			

Necropsy findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10301		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10302		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10303		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10304		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10305		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10306		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10307		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10308		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10309		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10310		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10311		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10312		
Finding absent :	All organs & tissues			

Necropsy findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10401		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10403	Infertility	
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10407		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10408		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10410		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10411		
Finding absent :	All organs & tissues			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10412		
Finding absent :	All organs & tissues			

Necropsy findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50151		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50152		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50153		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50154		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50155		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50156		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50157		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50158		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50159		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50160		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50161		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50162		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				

Necropsy findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 50251		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 50252		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 50253		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 50254		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 50255		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 50256		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 50257		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 50258		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 50259		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 50260		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 50261		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 50262		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				

Necropsy findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 50351		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 50352		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 50353		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 50354		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 50355		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 50356		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 50357		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 50358		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 50359		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 50360		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 50361		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 50362		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				

Necropsy findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50451		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50452		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50453	Non-pregnancy	
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50454		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50455		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50456		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50457		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50458		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50459		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50460		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50461		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50462		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				

Necropsy findings			Stage : Day 29	Species : Rat
Sex : Female (satellite)				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50551		
Finding absent :	All organs & tissues			
Estrous cycle : Estrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50552		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50553		
Finding absent :	All organs & tissues			
Estrous cycle : Metestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50554		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50555		
Finding absent :	All organs & tissues			
Estrous cycle : Proestrus				

Necropsy findings			Stage : Day 29	Species : Rat
Sex : Female (satellite)				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50651		
Finding absent :	All organs & tissues			
Estrous cycle : Metestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50652		
Finding absent :	All organs & tissues			
Estrous cycle : Proestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50653		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50654		
Finding absent :	All organs & tissues			
Estrous cycle : Metestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50655		
Finding absent :	All organs & tissues			
Estrous cycle : Estrus				

Necropsy findings			
Sex : Male		Stage : Recovery day 15	Species : Rat
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10102	
Finding absent :	All organs & tissues		
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10103	
Finding absent :	All organs & tissues		
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10109	
Finding absent :	All organs & tissues		
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10110	
Finding absent :	All organs & tissues		
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10112	
Finding absent :	All organs & tissues		

Necropsy findings			
Sex : Male		Stage : Recovery day 15	Species : Rat
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10402	
Finding absent :	All organs & tissues		
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10404	
Finding absent :	All organs & tissues		
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10405	
Finding absent :	All organs & tissues		
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10406	
Finding absent :	All organs & tissues		
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10409	
Finding absent :	All organs & tissues		

Necropsy findings			Stage : Recovery day 15	Species : Rat
Sex : Female (satellite)				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50556		
Finding absent :	All organs & tissues			
Estrous cycle : Metestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50557		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50558		
Finding absent :	All organs & tissues			
Estrous cycle : Metestrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50559		
Finding absent :	All organs & tissues			
Estrous cycle : Estrus				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50560		
Finding absent :	All organs & tissues			
Estrous cycle : Proestrus				

Necropsy findings			Stage : Recovery day 15	Species : Rat
Sex : Female (satellite)				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50656		
Finding absent :	All organs & tissues			
Estrous cycle : Proestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50657		
Finding absent :	All organs & tissues			
Estrous cycle : Diestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50658		
Finding absent :	All organs & tissues			
Estrous cycle : Proestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50659		
Finding absent :	All organs & tissues			
Estrous cycle : Proestrus				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50660		
Finding absent :	All organs & tissues			
Estrous cycle : Proestrus				

Organ weight Sex : Male		Stage : Day 29 Dose : TPGME 0 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
10101	427	10.98	2.57	2.69	0.63	1.60	0.37	873	204.45
10104	492	13.29	2.70	3.31	0.67	1.52	0.31	748	152.03
10105	479	12.42	2.59	3.37	0.70	1.53	0.32	716	149.48
10106	516	13.15	2.55	3.18	0.62	1.47	0.28	861	166.86
10107	526	13.95	2.65	3.39	0.64	1.56	0.30	870	165.40
10108	475	11.47	2.41	2.70	0.57	1.52	0.32	677	142.53
10111	500	12.99	2.60	3.50	0.70	1.49	0.30	763	152.60
n	7	7	7	7	7	7	7	7	7
Mean	487.9	12.607	2.581	3.163	0.647	1.527	0.314	786.9	161.907
S.D.	32.6	1.056	0.091	0.334	0.047	0.043	0.028	80.6	20.659

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Testis	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB g	RE g/100g
10101	378	88.52	75	17.56	12.1	2.83	25.7	6.02	3.37	0.79
10104	484	98.37	74	15.04	17.0	3.46	23.7	4.82	3.35	0.68
10105	323	67.43	61	12.73	14.5	3.03	18.6	3.88	3.32	0.69
10106	391	75.78	66	12.79	12.3	2.38	24.4	4.73	3.30	0.64
10107	252	47.91	67	12.74	12.8	2.43	25.3	4.81	3.79	0.72
10108	355	74.74	72	15.16	13.8	2.91	23.6	4.97	3.56	0.75
10111	351	70.20	74	14.80	14.9	2.98	25.5	5.10	3.44	0.69
n	7	7	7	7	7	7	7	7	7	7
Mean	362.0	74.707	69.9	14.403	13.91	2.860	23.83	4.904	3.447	0.709
S.D.	70.4	16.038	5.3	1.792	1.73	0.370	2.46	0.630	0.175	0.049

Animal No.	Epididymis		Prostate		Seminal vesicle		Brain	
	AB g	RE g/100g	AB mg	RE mg/100g	AB g	RE g/100g	AB g	RE g/100g
10101	1.29	0.30	865	202.58	2.22	0.52	2.12	0.50
10104	1.33	0.27	698	141.87	2.63	0.53	2.21	0.45
10105	1.44	0.30	384	80.17	2.04	0.43	2.17	0.45
10106	1.24	0.24	652	126.36	2.06	0.40	2.18	0.42
10107	1.58	0.30	586	111.41	2.57	0.49	2.17	0.41
10108	1.31	0.28	572	120.42	2.13	0.45	2.25	0.47
10111	1.32	0.26	745	149.00	2.10	0.42	2.28	0.46
n	7	7	7	7	7	7	7	7
Mean	1.359	0.279	643.1	133.116	2.250	0.463	2.197	0.451
S.D.	0.115	0.023	151.7	37.937	0.247	0.051	0.054	0.030

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Male		Stage : Day 29 Dose : TPGME 100 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
10201	479	11.33	2.37	3.15	0.66	1.33	0.28	716	149.48
10202	473	12.41	2.62	3.64	0.77	1.52	0.32	784	165.75
10203	478	11.73	2.45	2.97	0.62	1.46	0.31	689	144.14
10204	471	12.79	2.72	3.35	0.71	1.56	0.33	640	135.88
10205	501	14.65	2.92	3.47	0.69	1.64	0.33	814	162.48
10206	588	18.41	3.13	4.38	0.74	2.04	0.35	1093	185.88
10207	542	15.91	2.94	4.05	0.75	1.70	0.31	789	145.57
10208	471	12.45	2.64	3.36	0.71	1.31	0.28	630	133.76
10209	439	12.00	2.73	3.00	0.68	1.26	0.29	788	179.50
10210	510	12.34	2.42	3.77	0.74	1.46	0.29	742	145.49
10211	468	12.67	2.71	3.52	0.75	1.73	0.37	745	159.19
10212	461	12.08	2.62	3.28	0.71	1.50	0.33	701	152.06
n	12	12	12	12	12	12	12	12	12
Mean	490.1	13.231	2.689	3.495	0.711	1.543	0.316	760.9	154.932
S.D.	40.5	2.074	0.225	0.417	0.043	0.216	0.028	120.0	16.226

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Testis	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB g	RE g/100g
10201	294	61.38	80	16.70	14.6	3.05	22.7	4.74	2.12	0.44
10202	399	84.36	75	15.86	12.0	2.54	28.8	6.09	3.88	0.82
10203	326	68.20	74	15.48	12.4	2.59	20.0	4.18	3.15	0.66
10204	339	71.97	81	17.20	11.8	2.51	29.9	6.35	3.31	0.70
10205	378	75.45	79	15.77	14.5	2.89	27.1	5.41	3.42	0.68
10206	439	74.66	79	13.44	12.8	2.18	22.4	3.81	3.01	0.51
10207	492	90.77	78	14.39	13.2	2.44	24.9	4.59	4.09	0.75
10208	295	62.63	76	16.14	13.2	2.80	21.6	4.59	3.15	0.67
10209	406	92.48	83	18.91	13.1	2.98	22.7	5.17	3.92	0.89
10210	488	95.69	55	10.78	17.2	3.37	29.1	5.71	3.17	0.62
10211	296	63.25	97	20.73	14.1	3.01	28.9	6.18	3.09	0.66
10212	359	77.87	89	19.31	12.7	2.75	26.4	5.73	3.17	0.69
n	12	12	12	12	12	12	12	12	12	12
Mean	375.9	76.559	78.8	16.226	13.47	2.759	25.38	5.213	3.290	0.674
S.D.	70.9	11.990	9.9	2.695	1.48	0.325	3.43	0.831	0.519	0.120

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Male		Stage : Day 29 Dose : TPGME 100 mg/kg				Species : Rat		
Animal No.	Epididymis		Prostate		Seminal vesicle		Brain	
	AB	RE	AB	RE	AB	RE	AB	RE
	g	g/100g	mg	mg/100g	g	g/100g	g	g/100g
10201	0.91	0.19	836	174.53	3.03	0.63	2.12	0.44
10202	1.41	0.30	617	130.44	2.62	0.55	2.25	0.48
10203	1.46	0.31	784	164.02	3.12	0.65	2.41	0.50
10204	1.29	0.27	850	180.47	2.55	0.54	2.14	0.45
10205	1.39	0.28	780	155.69	2.28	0.46	2.17	0.43
10206	1.40	0.24	992	168.71	2.34	0.40	2.39	0.41
10207	1.42	0.26	669	123.43	2.95	0.54	2.40	0.44
10208	1.25	0.27	536	113.80	2.73	0.58	2.15	0.46
10209	1.36	0.31	553	125.97	2.35	0.54	2.15	0.49
10210	1.06	0.21	604	118.43	1.99	0.39	2.21	0.43
10211	1.39	0.30	897	191.67	2.72	0.58	2.34	0.50
10212	1.19	0.26	738	160.09	2.22	0.48	2.14	0.46
n	12	12	12	12	12	12	12	12
Mean	1.294	0.267	738.0	150.604	2.575	0.528	2.239	0.458
S.D.	0.167	0.038	144.0	26.826	0.351	0.082	0.114	0.030

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Male		Stage : Day 29 Dose : TPGME 300 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
10301	478	13.02	2.72	3.11	0.65	1.60	0.33	670	140.17
10302	509	13.48	2.65	3.60	0.71	1.56	0.31	763	149.90
10303	499	14.20	2.85	3.34	0.67	1.83	0.37	853	170.94
10304	455	13.02	2.86	3.00	0.66	1.55	0.34	655	143.96
10305	429	11.88	2.77	2.88	0.67	1.64	0.38	637	148.48
10306	546	15.39	2.82	4.04	0.74	1.71	0.31	1055	193.22
10307	563	17.35	3.08	3.69	0.66	1.77	0.31	789	140.14
10308	519	16.11	3.10	3.84	0.74	1.61	0.31	796	153.37
10309	479	13.95	2.91	3.62	0.76	1.36	0.28	884	184.55
10310	463	12.81	2.77	3.11	0.67	1.40	0.30	682	147.30
10311	483	13.32	2.76	3.61	0.75	1.59	0.33	707	146.38
10312	503	14.47	2.88	3.52	0.70	1.68	0.33	821	163.22
n	12	12	12	12	12	12	12	12	12
Mean	493.8	14.083	2.848	3.447	0.698	1.608	0.325	776.0	156.803
S.D.	37.8	1.548	0.134	0.358	0.040	0.136	0.028	119.5	17.540

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Testis	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB g	RE g/100g
10301	402	84.10	63	13.18	12.7	2.66	23.2	4.85	3.42	0.72
10302	357	70.14	73	14.34	12.7	2.50	25.0	4.91	3.48	0.68
10303	283	56.71	67	13.43	12.4	2.48	23.1	4.63	3.28	0.66
10304	626	137.58	63	13.85	11.3	2.48	28.8	6.33	2.98	0.65
10305	360	83.92	58	13.52	10.7	2.49	22.6	5.27	2.88	0.67
10306	436	79.85	72	13.19	15.4	2.82	31.3	5.73	3.76	0.69
10307	498	88.45	78	13.85	9.8	1.74	24.9	4.42	3.41	0.61
10308	358	68.98	94	18.11	16.2	3.12	27.3	5.26	3.76	0.72
10309	338	70.56	80	16.70	15.5	3.24	24.8	5.18	2.28	0.48
10310	358	77.32	82	17.71	15.2	3.28	22.4	4.84	3.19	0.69
10311	369	76.40	78	16.15	16.2	3.35	25.3	5.24	3.29	0.68
10312	271	53.88	80	15.90	14.0	2.78	21.7	4.31	2.98	0.59
n	12	12	12	12	12	12	12	12	12	12
Mean	388.0	78.991	74.0	14.994	13.51	2.745	25.03	5.081	3.226	0.653
S.D.	96.5	21.233	10.1	1.818	2.22	0.460	2.86	0.561	0.410	0.067

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Male		Stage : Day 29 Dose : TPGME 300 mg/kg				Species : Rat		
Animal No.	Epididymis		Prostate		Seminal vesicle		Brain	
	AB g	RE g/100g	AB mg	RE mg/100g	AB g	RE g/100g	AB g	RE g/100g
10301	1.19	0.25	466	97.49	2.57	0.54	2.30	0.48
10302	1.33	0.26	909	178.59	2.52	0.50	2.29	0.45
10303	1.17	0.23	585	117.23	2.56	0.51	2.12	0.42
10304	1.29	0.28	636	139.78	2.37	0.52	2.10	0.46
10305	1.34	0.31	635	148.02	2.13	0.50	1.98	0.46
10306	1.43	0.26	1035	189.56	2.18	0.40	2.22	0.41
10307	1.34	0.24	668	118.65	2.30	0.41	2.24	0.40
10308	1.39	0.27	523	100.77	2.61	0.50	2.26	0.44
10309	1.03	0.22	614	128.18	2.60	0.54	2.09	0.44
10310	1.15	0.25	617	133.26	2.22	0.48	2.17	0.47
10311	1.38	0.29	582	120.50	2.59	0.54	2.15	0.45
10312	1.21	0.24	814	161.83	2.40	0.48	2.14	0.43
n	12	12	12	12	12	12	12	12
Mean	1.271	0.258	673.7	136.155	2.421	0.493	2.172	0.443
S.D.	0.120	0.026	164.4	28.912	0.178	0.046	0.094	0.024

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Male		Stage : Day 29 Dose : TPGME 1000 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
10401	492	17.64	3.59	3.50	0.71	1.67	0.34	904	183.74
10403	483	13.64	2.82	3.24	0.67	1.42	0.29	749	155.07
10407	530	16.34	3.08	4.18	0.79	1.52	0.29	736	138.87
10408	489	14.41	2.95	3.29	0.67	1.49	0.30	725	148.26
10410	483	16.66	3.45	3.85	0.80	1.43	0.30	731	151.35
10411	448	14.89	3.32	3.62	0.81	1.62	0.36	739	164.96
10412	577	21.78	3.77	4.12	0.71	1.86	0.32	1117	193.59
n	7	7	7	7	7	7	7	7	7
Mean	500.3	16.480	3.283	3.686	0.737	1.573	0.314	814.4	162.263
S.D.	41.4	2.719	0.348	0.377	0.061	0.157	0.027	147.6	19.850

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Testis	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB g	RE g/100g
10401	517	105.08	56	11.38	11.1	2.26	23.6	4.80	2.67	0.54
10403	421	87.16	79	16.36	12.8	2.65	27.6	5.71	3.46	0.72
10407	270	50.94	88	16.60	15.1	2.85	22.5	4.25	3.17	0.60
10408	411	84.05	68	13.91	11.6	2.37	26.3	5.38	3.43	0.70
10410	417	86.34	72	14.91	14.1	2.92	26.3	5.45	3.84	0.80
10411	316	70.54	80	17.86	11.7	2.61	29.1	6.50	3.45	0.77
10412	480	83.19	75	13.00	16.2	2.81	31.2	5.41	3.55	0.62
n	7	7	7	7	7	7	7	7	7	7
Mean	404.6	81.043	74.0	14.860	13.23	2.639	26.66	5.357	3.367	0.679
S.D.	86.4	16.700	10.2	2.264	1.95	0.248	3.01	0.705	0.365	0.095

Animal No.	Epididymis		Prostate		Seminal vesicle		Brain	
	AB g	RE g/100g	AB mg	RE mg/100g	AB g	RE g/100g	AB g	RE g/100g
10401	1.18	0.24	615	125.00	2.17	0.44	2.11	0.43
10403	1.27	0.26	791	163.77	2.49	0.52	2.15	0.45
10407	1.29	0.24	587	110.75	2.91	0.55	2.14	0.40
10408	1.26	0.26	710	145.19	2.51	0.51	2.31	0.47
10410	1.46	0.30	648	134.16	2.79	0.58	2.25	0.47
10411	1.32	0.29	316	70.54	2.51	0.56	2.17	0.48
10412	1.44	0.25	766	132.76	3.05	0.53	2.30	0.40
n	7	7	7	7	7	7	7	7
Mean	1.317	0.263	633.3	126.024	2.633	0.527	2.204	0.443
S.D.	0.100	0.024	159.0	29.486	0.300	0.045	0.081	0.034

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : TPGME 0 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50151	347	11.81	3.40	2.48	0.71	1.15	0.33	818	235.73
50152	352	11.86	3.37	2.35	0.67	1.25	0.36	694	197.16
50153	354	12.93	3.65	2.48	0.70	1.29	0.36	608	171.75
50154	369	11.03	2.99	2.42	0.66	1.16	0.31	636	172.36
50155	354	12.16	3.44	2.15	0.61	1.25	0.35	679	191.81
50156	369	11.93	3.23	2.01	0.54	1.12	0.30	501	135.77
50157	363	12.44	3.43	2.63	0.72	1.26	0.35	643	177.13
50158	404	11.75	2.91	2.23	0.55	1.29	0.32	802	198.51
50159	341	11.31	3.32	2.16	0.63	1.16	0.34	619	181.52
50160	338	10.88	3.22	2.23	0.66	1.09	0.32	741	219.23
50161	386	12.21	3.16	2.53	0.66	1.30	0.34	699	181.09
50162	347	11.00	3.17	2.21	0.64	1.16	0.33	613	176.66
n	12	12	12	12	12	12	12	12	12
Mean	360.3	11.776	3.274	2.323	0.646	1.207	0.334	671.1	186.560
S.D.	19.3	0.627	0.205	0.186	0.057	0.074	0.019	88.4	25.245

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g
50151	235	67.72	85	24.50	19.5	5.62	21.2	6.11	100	28.82
50152	143	40.63	79	22.44	15.4	4.38	14.1	4.01	98	27.84
50153	330	93.22	94	26.55	18.1	5.11	15.9	4.49	97	27.40
50154	294	79.67	77	20.87	16.7	4.53	12.1	3.28	115	31.17
50155	243	68.64	85	24.01	15.8	4.46	16.6	4.69	130	36.72
50156	280	75.88	65	17.62	15.5	4.20	18.2	4.93	101	27.37
50157	203	55.92	92	25.34	25.2	6.94	21.1	5.81	106	29.20
50158	344	85.15	73	18.07	19.7	4.88	23.3	5.77	116	28.71
50159	205	60.12	85	24.93	19.4	5.69	15.2	4.46	108	31.67
50160	333	98.52	64	18.93	19.5	5.77	19.7	5.83	106	31.36
50161	251	65.03	87	22.54	18.3	4.74	21.2	5.49	102	26.42
50162	212	61.10	62	17.87	18.0	5.19	15.3	4.41	102	29.39
n	12	12	12	12	12	12	12	12	12	12
Mean	256.1	70.967	79.0	21.973	18.43	5.126	17.83	4.940	106.8	29.673
S.D.	61.7	16.427	10.9	3.214	2.67	0.780	3.47	0.869	9.5	2.782

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : TPGME 0 mg/kg			Species : Rat
Uterus		Brain			
Animal No.	AB mg	RE mg/100g	AB g	RE g/100g	
50151	555	159.94	2.06	0.59	
50152	415	117.90	2.04	0.58	
50153	579	163.56	2.06	0.58	
50154	591	160.16	2.12	0.57	
50155	510	144.07	2.02	0.57	
50156	550	149.05	2.00	0.54	
50157	655	180.44	2.27	0.63	
50158	771	190.84	2.23	0.55	
50159	747	219.06	1.97	0.58	
50160	435	128.70	2.18	0.64	
50161	665	172.28	2.07	0.54	
50162	587	169.16	2.06	0.59	
n	12	12	12	12	
Mean	588.3	162.930	2.090	0.580	
S.D.	109.2	27.181	0.092	0.031	

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : TPGME 100 mg/kg						Species : Rat	
Animal No.	Body weight g	Liver		Kidney		Heart		Spleen	
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50251	386	13.52	3.50	2.18	0.56	1.33	0.34	652	168.91
50252	366	11.48	3.14	2.39	0.65	1.16	0.32	714	195.08
50253	366	12.65	3.46	2.59	0.71	1.23	0.34	743	203.01
50254	387	12.16	3.14	2.41	0.62	1.11	0.29	735	189.92
50255	362	10.87	3.00	2.03	0.56	1.06	0.29	644	177.90
50256	332	10.82	3.26	2.11	0.64	1.05	0.32	503	151.51
50257	373	12.48	3.35	2.57	0.69	1.29	0.35	535	143.43
50258	385	11.51	2.99	2.53	0.66	1.28	0.33	636	165.19
50259	366	11.18	3.05	2.41	0.66	1.22	0.33	613	167.49
50260	361	11.52	3.19	2.16	0.60	1.27	0.35	621	172.02
50261	386	13.19	3.42	2.30	0.60	1.27	0.33	509	131.87
50262	384	13.26	3.45	2.47	0.64	1.25	0.33	782	203.65
n	12	12	12	12	12	12	12	12	12
Mean	371.2	12.053	3.246	2.346	0.633	1.210	0.327	640.6	172.498
S.D.	16.1	0.955	0.187	0.188	0.047	0.093	0.020	92.2	22.906

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g
50251	342	88.60	92	23.83	17.1	4.43	20.9	5.41	114	29.53
50252	301	82.24	79	21.58	17.1	4.67	20.3	5.55	73	19.95
50253	279	76.23	80	21.86	16.5	4.51	18.2	4.97	95	25.96
50254	226	58.40	94	24.29	22.5	5.81	22.9	5.92	110	28.42
50255	253	69.89	70	19.34	19.7	5.44	18.4	5.08	101	27.90
50256	238	71.69	53	15.96	15.3	4.61	23.8	7.17	77	23.19
50257	315	84.45	71	19.03	20.4	5.47	11.3	3.03	113	30.29
50258	321	83.38	79	20.52	21.0	5.45	25.0	6.49	86	22.34
50259	244	66.67	67	18.31	17.1	4.67	25.8	7.05	91	24.86
50260	409	113.30	72	19.94	15.7	4.35	26.7	7.40	89	24.65
50261	328	84.97	94	24.35	18.4	4.77	23.1	5.98	85	22.02
50262	223	58.07	83	21.61	13.9	3.62	28.4	7.40	108	28.13
n	12	12	12	12	12	12	12	12	12	12
Mean	289.9	78.158	77.8	20.885	17.89	4.817	22.07	5.954	95.2	25.603
S.D.	56.3	15.117	12.2	2.558	2.56	0.617	4.65	1.275	14.0	3.301

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : TPGME 100 mg/kg			Species : Rat
Uterus		Brain			
Animal No.	AB mg	RE mg/100g	AB g	RE g/100g	
50251	624	161.66	1.96	0.51	
50252	589	160.93	2.01	0.55	
50253	578	157.92	1.94	0.53	
50254	461	119.12	2.26	0.58	
50255	513	141.71	1.98	0.55	
50256	537	161.75	2.02	0.61	
50257	464	124.40	2.17	0.58	
50258	775	201.30	2.09	0.54	
50259	476	130.05	2.28	0.62	
50260	561	155.40	2.14	0.59	
50261	420	108.81	2.09	0.54	
50262	519	135.16	2.30	0.60	
n	12	12	12	12	
Mean	543.1	146.518	2.103	0.567	
S.D.	94.5	25.161	0.127	0.035	

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : TPGME 300 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50351	365	12.53	3.43	2.59	0.71	1.25	0.34	600	164.38
50352	368	11.59	3.15	2.20	0.60	1.19	0.32	643	174.73
50353	362	11.42	3.15	2.31	0.64	1.25	0.35	583	161.05
50354	355	12.46	3.51	2.37	0.67	1.23	0.35	602	169.58
50355	324	10.22	3.15	2.24	0.69	1.09	0.34	527	162.65
50356	326	10.47	3.21	2.27	0.70	1.20	0.37	533	163.50
50357	363	12.21	3.36	2.53	0.70	1.14	0.31	715	196.97
50358	393	13.82	3.52	2.87	0.73	1.34	0.34	779	198.22
50359	370	12.08	3.26	2.37	0.64	1.22	0.33	665	179.73
50360	375	12.71	3.39	2.70	0.72	1.34	0.36	731	194.93
50361	329	10.56	3.21	2.42	0.74	1.10	0.33	760	231.00
50362	401	12.43	3.10	2.56	0.64	1.45	0.36	617	153.87
n	12	12	12	12	12	12	12	12	12
Mean	360.9	11.875	3.287	2.453	0.682	1.233	0.342	646.3	179.218
S.D.	24.5	1.064	0.149	0.202	0.043	0.105	0.017	84.7	22.222

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g
50351	164	44.93	81	22.19	19.9	5.45	12.4	3.40	81	22.19
50352	307	83.42	59	16.03	16.0	4.35	22.1	6.01	86	23.37
50353	213	58.84	66	18.23	15.7	4.34	18.9	5.22	117	32.32
50354	327	92.11	88	24.79	17.4	4.90	22.8	6.42	120	33.80
50355	338	104.32	63	19.44	15.9	4.91	17.9	5.52	87	26.85
50356	184	56.44	72	22.09	13.0	3.99	17.8	5.46	104	31.90
50357	195	53.72	86	23.69	18.4	5.07	15.5	4.27	88	24.24
50358	295	75.06	91	23.16	19.1	4.86	18.3	4.66	119	30.28
50359	306	82.70	68	18.38	20.5	5.54	22.2	6.00	95	25.68
50360	293	78.13	87	23.20	15.8	4.21	18.4	4.91	108	28.80
50361	316	96.05	94	28.57	17.7	5.38	27.4	8.33	95	28.88
50362	359	89.53	79	19.70	19.4	4.84	26.6	6.63	127	31.67
n	12	12	12	12	12	12	12	12	12	12
Mean	274.8	76.271	77.8	21.623	17.40	4.820	20.03	5.569	102.3	28.332
S.D.	66.7	18.805	11.9	3.434	2.19	0.506	4.36	1.266	15.7	3.841

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : TPGME 300 mg/kg			Species : Rat
Uterus		Brain			
Animal No.	AB mg	RE mg/100g	AB g	RE g/100g	
50351	422	115.62	2.00	0.55	
50352	606	164.67	2.15	0.58	
50353	487	134.53	2.13	0.59	
50354	548	154.37	2.12	0.60	
50355	460	141.98	2.16	0.67	
50356	544	166.87	2.08	0.64	
50357	559	153.99	2.12	0.58	
50358	600	152.67	2.30	0.59	
50359	547	147.84	2.14	0.58	
50360	693	184.80	2.01	0.54	
50361	792	240.73	2.04	0.62	
50362	518	129.18	2.30	0.57	
n	12	12	12	12	
Mean	564.7	157.271	2.129	0.593	
S.D.	100.8	32.015	0.096	0.036	

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : TPGME 1000 mg/kg						Species : Rat	
Animal No.	Body weight g	Liver		Kidney		Heart		Spleen	
		AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50451	325	11.57	3.56	2.11	0.65	1.14	0.35	631	194.15
50452	350	12.99	3.71	2.45	0.70	1.24	0.35	646	184.57
50453	314 \$	9.23 \$	2.94 \$	2.17 \$	0.69 \$	0.99 \$	0.32 \$	603 \$	192.04 \$
50454	347	13.07	3.77	2.22	0.64	1.22	0.35	516	148.70
50455	344	13.38	3.89	2.18	0.63	1.29	0.38	569	165.41
50456	370	13.17	3.56	2.46	0.66	1.20	0.32	724	195.68
50457	337	13.12	3.89	2.37	0.70	1.22	0.36	700	207.72
50458	339	12.37	3.65	2.46	0.73	1.22	0.36	594	175.22
50459	355	13.76	3.88	2.31	0.65	1.36	0.38	556	156.62
50460	344	12.48	3.63	2.50	0.73	1.21	0.35	717	208.43
50461	366	15.29	4.18	2.50	0.68	1.16	0.32	820	224.04
50462	399	13.59	3.41	2.87	0.72	1.14	0.29	698	174.94
n	11	11	11	11	11	11	11	11	11
Mean	352.4	13.163	3.739	2.403	0.681	1.218	0.346	651.9	185.044
S.D.	20.0	0.937	0.213	0.206	0.037	0.065	0.027	89.7	23.433

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g
50451	355	109.23	86	26.46	15.7	4.83	14.7	4.52	94	28.92
50452	204	58.29	82	23.43	13.6	3.89	20.0	5.71	96	27.43
50453	386 \$	122.93 \$	109 \$	34.71 \$	19.5 \$	6.21 \$	14.0 \$	4.46 \$	120 \$	38.22 \$
50454	340	97.98	80	23.05	18.0	5.19	17.0	4.90	99	28.53
50455	275	79.94	84	24.42	17.6	5.12	19.6	5.70	98	28.49
50456	352	95.14	83	22.43	18.9	5.11	23.3	6.30	123	33.24
50457	218	64.69	83	24.63	15.1	4.48	23.9	7.09	113	33.53
50458	238	70.21	74	21.83	13.5	3.98	16.0	4.72	76	22.42
50459	193	54.37	94	26.48	18.6	5.24	24.9	7.01	133	37.46
50460	191	55.52	97	28.20	17.9	5.20	20.1	5.84	111	32.27
50461	174	47.54	84	22.95	17.1	4.67	22.1	6.04	106	28.96
50462	339	84.96	92	23.06	17.4	4.36	20.2	5.06	114	28.57
n	11	11	11	11	11	11	11	11	11	11
Mean	261.7	74.352	85.4	24.267	16.67	4.734	20.16	5.717	105.7	29.984
S.D.	72.4	20.474	6.6	2.000	1.91	0.497	3.28	0.868	15.5	3.957

AB : Absolute weight, RE : Relative weight by body weight

\$: Excepted data from calculation (non-pregnancy)

Organ weight Sex : Female		Stage : Day 14 after parturition Dose : TPGME 1000 mg/kg		Species : Rat
Uterus		Brain		
Animal No.	AB mg	RE mg/100g	AB g	RE g/100g
50451	510	156.92	1.95	0.60
50452	461	131.71	1.91	0.55
50453	533 \$	169.75 \$	2.13 \$	0.68 \$
50454	529	152.45	2.13	0.61
50455	529	153.78	2.14	0.62
50456	771	208.38	2.06	0.56
50457	593	175.96	2.12	0.63
50458	505	148.97	2.09	0.62
50459	539	151.83	2.01	0.57
50460	964	280.23	2.06	0.60
50461	584	159.56	2.17	0.59
50462	521	130.58	2.17	0.54
n	11	11	11	11
Mean	591.5	168.215	2.074	0.590
S.D.	147.6	42.741	0.087	0.031

AB : Absolute weight, RE : Relative weight by body weight

\$: Excepted data from calculation (non-pregnancy)

Organ weight		Stage : Day 29								
Sex : Female (satellite)		Dose : TPGME 0 mg/kg						Species : Rat		
Animal No.	Body weight	Liver		Kidney		Heart		Spleen		
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g	
50551	292	8.79	3.01	2.20	0.75	1.10	0.38	558	191.10	
50552	267	7.06	2.64	1.82	0.68	0.94	0.35	459	171.91	
50553	300	7.89	2.63	2.04	0.68	1.00	0.33	516	172.00	
50554	331	7.99	2.41	2.17	0.66	1.08	0.33	707	213.60	
50555	275	6.52	2.37	1.79	0.65	0.87	0.32	604	219.64	
n	5	5	5	5	5	5	5	5	5	
Mean	293.0	7.650	2.612	2.004	0.684	0.998	0.342	568.8	193.650	
S.D.	25.0	0.880	0.254	0.192	0.039	0.096	0.024	93.9	22.480	
Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g
50551	427	146.23	92	31.51	29.3	10.03	21.8	7.47	76	26.03
50552	325	121.72	73	27.34	22.9	8.58	19.9	7.45	127	47.57
50553	413	137.67	103	34.33	18.1	6.03	21.7	7.23	110	36.67
50554	488	147.43	82	24.77	20.0	6.04	12.4	3.75	167	50.45
50555	310	112.73	61	22.18	15.9	5.78	17.3	6.29	90	32.73
n	5	5	5	5	5	5	5	5	5	5
Mean	392.6	133.156	82.2	28.026	21.24	7.292	18.62	6.438	114.0	38.690
S.D.	74.3	15.355	16.3	4.928	5.19	1.911	3.93	1.578	35.4	10.211
Animal No.	Uterus		Brain							
	AB mg	RE mg/100g	AB g	RE g/100g						
50551	723	247.60	2.05	0.70						
50552	523	195.88	1.91	0.72						
50553	516	172.00	2.22	0.74						
50554	499	150.76	2.05	0.62						
50555	988	359.27	2.08	0.76						
n	5	5	5	5						
Mean	649.8	225.102	2.062	0.708						
S.D.	210.0	83.228	0.110	0.054						

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female (satellite)		Stage : Day 29 Dose : TPGME 1000 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50651	281	8.91	3.17	2.25	0.80	0.99	0.35	660	234.88
50652	287	8.07	2.81	2.06	0.72	1.01	0.35	621	216.38
50653	267	7.83	2.93	1.86	0.70	1.03	0.39	451	168.91
50654	292	9.58	3.28	2.02	0.69	1.16	0.40	698	239.04
50655	284	9.13	3.21	1.99	0.70	0.98	0.35	550	193.66
n	5	5	5	5	5	5	5	5	5
Mean	282.2	8.704	3.080	2.036	0.722	1.034	0.368	596.0	210.574
S.D.	9.4	0.734	0.200	0.141	0.045	0.073	0.025	97.8	29.397

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g
50651	329	117.08	101	35.94	16.8	5.98	20.0	7.12	87	30.96
50652	321	111.85	96	33.45	14.1	4.91	15.3	5.33	90	31.36
50653	364	136.33	85	31.84	14.8	5.54	13.4	5.02	108	40.45
50654	342	117.12	87	29.79	17.0	5.82	22.3	7.64	118	40.41
50655	245	86.27	111	39.08	22.3	7.85	22.2	7.82	118	41.55
n	5	5	5	5	5	5	5	5	5	5
Mean	320.2	113.730	96.0	34.020	17.00	6.020	18.64	6.586	104.2	36.946
S.D.	45.1	17.966	10.6	3.615	3.22	1.101	4.08	1.318	14.9	5.304

Animal No.	Uterus		Brain	
	AB mg	RE mg/100g	AB g	RE g/100g
50651	549	195.37	2.05	0.73
50652	974	339.37	2.16	0.75
50653	480	179.78	2.04	0.76
50654	554	189.73	2.06	0.71
50655	695	244.72	2.06	0.73
n	5	5	5	5
Mean	650.4	229.794	2.074	0.736
S.D.	197.1	66.184	0.049	0.019

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Male		Stage : Recovery day 15 Dose : TPGME 0 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
10102	550	12.66	2.30	3.53	0.64	1.42	0.26	740	134.55
10103	494	10.87	2.20	2.97	0.60	1.42	0.29	748	151.42
10109	513	11.78	2.30	2.85	0.56	1.36	0.27	649	126.51
10110	506	12.09	2.39	3.57	0.71	1.65	0.33	650	128.46
10112	563	13.25	2.35	3.82	0.68	1.54	0.27	916	162.70
n	5	5	5	5	5	5	5	5	5
Mean	525.2	12.130	2.308	3.348	0.638	1.478	0.284	740.6	140.728
S.D.	29.7	0.901	0.071	0.417	0.060	0.116	0.028	108.9	15.716

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Testis	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB g	RE g/100g
10102	294	53.45	69	12.55	13.8	2.51	24.9	4.53	2.47	0.45
10103	382	77.33	61	12.35	13.8	2.79	21.4	4.33	3.07	0.62
10109	403	78.56	66	12.87	17.6	3.43	25.6	4.99	3.44	0.67
10110	209	41.30	89	17.59	13.4	2.65	20.5	4.05	3.72	0.74
10112	306	54.35	71	12.61	12.8	2.27	28.6	5.08	3.57	0.63
n	5	5	5	5	5	5	5	5	5	5
Mean	318.8	60.998	71.2	13.594	14.28	2.730	24.20	4.596	3.254	0.622
S.D.	77.3	16.312	10.6	2.242	1.90	0.436	3.29	0.437	0.500	0.107

Animal No.	Epididymis		Prostate		Seminal vesicle		Brain	
	AB g	RE g/100g	AB mg	RE mg/100g	AB g	RE g/100g	AB g	RE g/100g
10102	1.02	0.19	672	122.18	2.38	0.43	2.10	0.38
10103	1.23	0.25	810	163.97	2.55	0.52	2.38	0.48
10109	1.54	0.30	889	173.29	2.17	0.42	2.27	0.44
10110	1.52	0.30	741	146.44	2.44	0.48	2.41	0.48
10112	1.15	0.20	754	133.93	2.22	0.39	2.34	0.42
n	5	5	5	5	5	5	5	5
Mean	1.292	0.248	773.2	147.962	2.352	0.448	2.300	0.440
S.D.	0.230	0.053	81.3	20.986	0.157	0.052	0.123	0.042

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Male		Stage : Recovery day 15 Dose : TPGME 1000 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
10402	573	15.81	2.76	4.03	0.70	1.75	0.31	967	168.76
10404	562	15.16	2.70	2.94	0.52	1.38	0.25	750	133.45
10405	523	16.65	3.18	3.85	0.74	1.58	0.30	753	143.98
10406	512	13.20	2.58	2.91	0.57	1.41	0.28	851	166.21
10409	495	12.42	2.51	3.53	0.71	1.40	0.28	774	156.36
n	5	5	5	5	5	5	5	5	5
Mean	533.0	14.648	2.746	3.452	0.648	1.504	0.284	819.0	153.752
S.D.	33.3	1.781	0.262	0.513	0.097	0.159	0.023	92.3	14.957

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Testis	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB g	RE g/100g
10402	506	88.31	119	20.77	18.2	3.18	23.5	4.10	3.69	0.64
10404	490	87.19	54	9.61	13.5	2.40	27.1	4.82	2.39	0.43
10405	262	50.10	61	11.66	18.2	3.48	31.3	5.98	2.91	0.56
10406	303	59.18	61	11.91	16.5	3.22	30.2	5.90	3.05	0.60
10409	272	54.95	58	11.72	14.2	2.87	25.4	5.13	3.12	0.63
n	5	5	5	5	5	5	5	5	5	5
Mean	366.6	67.946	70.6	13.134	16.12	3.030	27.50	5.186	3.032	0.572
S.D.	121.0	18.366	27.2	4.370	2.20	0.413	3.25	0.784	0.466	0.085

Animal No.	Epididymis		Prostate		Seminal vesicle		Brain	
	AB g	RE g/100g	AB mg	RE mg/100g	AB g	RE g/100g	AB g	RE g/100g
10402	1.50	0.26	956	166.84	2.86	0.50	2.26	0.39
10404	1.06	0.19	622	110.68	1.86	0.33	2.07	0.37
10405	1.34	0.26	709	135.56	2.20	0.42	2.28	0.44
10406	1.28	0.25	633	123.63	2.79	0.54	2.14	0.42
10409	1.32	0.27	684	138.18	2.34	0.47	2.26	0.46
n	5	5	5	5	5	5	5	5
Mean	1.300	0.246	720.8	134.978	2.410	0.452	2.202	0.416
S.D.	0.158	0.032	136.3	20.886	0.418	0.081	0.092	0.036

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female (satellite)		Stage : Recovery day 15 Dose : TPGME 0 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50556	309	7.34	2.38	2.06	0.67	0.99	0.32	478	154.69
50557	292	6.99	2.39	2.12	0.73	0.95	0.33	621	212.67
50558	297	7.09	2.39	1.81	0.61	0.98	0.33	513	172.73
50559	352	8.24	2.34	1.83	0.52	0.99	0.28	392	111.36
50560	306	8.70	2.84	2.17	0.71	1.12	0.37	542	177.12
n	5	5	5	5	5	5	5	5	5
Mean	311.2	7.672	2.468	1.998	0.648	1.006	0.326	509.2	165.714
S.D.	23.8	0.757	0.209	0.167	0.085	0.066	0.032	84.1	36.946

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g
50556	306	99.03	82	26.54	19.4	6.28	20.3	6.57	79	25.57
50557	324	110.96	79	27.05	14.0	4.79	26.7	9.14	96	32.88
50558	281	94.61	55	18.52	14.9	5.02	18.1	6.09	79	26.60
50559	558	158.52	71	20.17	15.7	4.46	21.4	6.08	101	28.69
50560	351	114.71	89	29.08	15.3	5.00	19.7	6.44	95	31.05
n	5	5	5	5	5	5	5	5	5	5
Mean	364.0	115.566	75.2	24.272	15.86	5.110	21.24	6.864	90.0	28.958
S.D.	111.4	25.395	13.0	4.634	2.08	0.692	3.28	1.290	10.3	3.036

Animal No.	Uterus		Brain	
	AB mg	RE mg/100g	AB g	RE g/100g
50556	475	153.72	2.16	0.70
50557	594	203.42	2.01	0.69
50558	441	148.48	2.13	0.72
50559	575	163.35	2.01	0.57
50560	737	240.85	2.06	0.67
n	5	5	5	5
Mean	564.4	181.964	2.074	0.670
S.D.	116.2	39.349	0.069	0.059

AB : Absolute weight, RE : Relative weight by body weight

Organ weight Sex : Female (satellite)		Stage : Recovery day 15 Dose : TPGME 1000 mg/kg						Species : Rat	
Animal No.	Body weight	Liver		Kidney		Heart		Spleen	
	g	AB g	RE g/100g	AB g	RE g/100g	AB g	RE g/100g	AB mg	RE mg/100g
50656	332	8.91	2.68	2.09	0.63	1.03	0.31	679	204.52
50657	318	8.09	2.54	2.07	0.65	0.99	0.31	563	177.04
50658	279	8.30	2.97	1.95	0.70	1.03	0.37	475	170.25
50659	340	7.89	2.32	2.04	0.60	1.04	0.31	613	180.29
50660	310	7.75	2.50	2.14	0.69	1.07	0.35	703	226.77
n	5	5	5	5	5	5	5	5	5
Mean	315.8	8.188	2.602	2.058	0.654	1.032	0.330	606.6	191.774
S.D.	23.7	0.454	0.243	0.070	0.042	0.029	0.028	91.9	23.449

Animal No.	Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g	AB mg	RE mg/100g
50656	325	97.89	88	26.51	16.5	4.97	21.6	6.51	105	31.63
50657	265	83.33	80	25.16	21.3	6.70	19.5	6.13	91	28.62
50658	330	118.28	73	26.16	31.2	11.18	19.4	6.95	55	19.71
50659	306	90.00	69	20.29	22.7	6.68	21.7	6.38	89	26.18
50660	284	91.61	84	27.10	16.4	5.29	25.6	8.26	142	45.81
n	5	5	5	5	5	5	5	5	5	5
Mean	302.0	96.222	78.8	25.044	21.62	6.964	21.56	6.846	96.4	30.390
S.D.	27.5	13.375	7.8	2.749	6.05	2.485	2.51	0.845	31.4	9.673

Animal No.	Uterus		Brain	
	AB mg	RE mg/100g	AB g	RE g/100g
50656	804	242.17	1.99	0.60
50657	504	158.49	2.14	0.67
50658	764	273.84	1.83	0.66
50659	740	217.65	2.01	0.59
50660	918	296.13	1.98	0.64
n	5	5	5	5
Mean	746.0	237.656	1.990	0.632
S.D.	151.6	53.424	0.110	0.036

AB : Absolute weight, RE : Relative weight by body weight

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10101		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10104		
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10105		
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Moderate				
Parathyroid				
Findings : Finding absent				
Animal Comment : right parathyroid : missing				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10106		
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10107		
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
Finding absent : Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10108		
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
Parathyroid				
Findings : Finding absent				
Animal Comment : right parathyroid : missing				
Finding absent : Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10111		
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
Finding absent : Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10201		
Testis				
Findings : Finding present				
Degeneration/Atrophy, seminiferous tubule				
Severe				
Finding Comment : unilateral : left				
Epididymis				
Findings : Finding present				
Cell debris, lumen				
Slight				
Finding Comment : unilateral : left				
Decrease, spermatozoa				
Severe				
Finding Comment : unilateral : left				
Finding absent : Kidney				
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10202		
Finding absent : Kidney				
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10203		
Finding absent : Kidney				
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10204		
Finding absent : Kidney				
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10205		
Finding absent : Kidney				
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10206		
Finding absent : Kidney				
Other organs & tissues : Not examined				

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10207		
Kidney				
Findings : Finding present				
Cast, hyaline				
Slight				
Finding Comment : unilateral : left				
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10208		
Finding absent : Kidney				
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10209		
Finding absent : Kidney				
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10210		
Kidney				
Findings : Finding present				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : unilateral : right				
Cyst				
Slight				
Finding Comment : unilateral : right				
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10211		
Finding absent : Kidney				
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 100 mg/kg	Animal No. : 10212		
Finding absent : Kidney				
Other organs & tissues : Not examined				

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10301		
Finding absent :	Kidney			
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10302		
Finding absent :	Kidney			
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10303		
Finding absent :	Kidney			
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10304		
Finding absent :	Kidney			
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10305		
Finding absent :	Kidney			
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10306		
Kidney				
Findings :	Finding present			
	Infiltration, inflammatory cell, interstitium, focal			
	Slight			
	Finding Comment : unilateral : right			
Other organs & tissues : Not examined				

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10307		
Finding absent :	Kidney			
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10308		
Finding absent :	Kidney			
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10309		
Finding absent :	Kidney			
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10310		
Finding absent :	Kidney			
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10311		
Finding absent :	Kidney			
Other organs & tissues : Not examined				
Test article : TPGME	Dose : 300 mg/kg	Animal No. : 10312		
Finding absent :	Kidney			
Other organs & tissues : Not examined				

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10401		
Kidney				
Findings : Finding present				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral : positive for alpha-2u-globulin				
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10403	Infertility
Prostate			
Findings : Finding present			
Inflammation, interstitium			
Mild			
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland		

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10407		
Kidney				
Findings : Finding present				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : bilateral				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral : positive for alpha-2u-globulin				
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10408		
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Slight				
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : left				
Harderian gland				
Findings : Finding present				
Infiltration, inflammatory cell, focal				
Slight				
Finding Comment : unilateral : right				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Male				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10410		
Kidney				
Findings : Finding present				
Infarct				
Slight				
Finding Comment : unilateral : right				
Prostate				
Findings : Finding present				
Inflammation, interstitium				
Mild				
Finding absent :				
Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10411		
Finding absent :				
Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10412		
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
Finding absent :				
Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Testis, Epididymis, Prostate, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				

Histopathological findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50151		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50152		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50153		
Lung				
Findings : Finding present				
Hemorrhage, focal				
Slight				
Thymus				
Findings : Finding present				
Remnant, epithelial cell				
Slight				
Finding absent :	Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50154		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50155		
Lung				
Findings : Finding present				
Accumulation, macrophage, alveolar				
Slight				
Finding absent : Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50156		
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : left				
Finding absent : Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50157		
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
Finding absent : Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				

Histopathological findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50158		
Liver				
Findings : Finding present				
Microgranuloma				
Slight				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50159		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50160		
Thymus				
Findings : Finding present				
Remnant, epithelial cell				
Slight				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50161		
Pancreas				
Findings : Finding present				
Infiltration, inflammatory cell, interstitium				
Slight				
Parathyroid				
Findings : Finding absent				
Animal Comment : right parathyroid : missing				
Finding absent :				
Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50162		
Thymus				
Findings : Finding present				
Remnant, epithelial cell				
Slight				
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : left				
Finding absent :				
Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				

Histopathological findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50451		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50452		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50453	Non-pregnancy	
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50454		
Thymus	Findings : Finding present Remnant, epithelial cell Slight			
Parathyroid	Findings : Finding absent Animal Comment : right parathyroid : missing			
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50455		
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
Finding absent : Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50456		
Pancreas				
Findings : Finding present				
Atrophy, acinar cell, focal				
Slight				
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : left				
Finding absent : Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50457		
Finding absent : Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50458		
Finding absent : Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				

Histopathological findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50459		
Lung				
Findings : Finding present				
Accumulation, macrophage, alveolar				
Slight				
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
Parathyroid				
Findings : Finding absent				
Animal Comment : right parathyroid : missing				
Finding absent :				
Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50460		
Lung				
Findings : Finding present				
Hemorrhage, focal				
Slight				
Liver				
Findings : Finding present				
Necrosis, focal				
Slight				
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
Finding absent :				
Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				

Histopathological findings			Stage : Day 14 after parturition	Species : Rat
Sex : Female				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50461		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50462		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Female (satellite)				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50551		
Thymus				
Findings : Finding present				
Remnant, epithelial cell				
Slight				
Finding absent :				
Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50552		
Pancreas				
Findings : Finding present				
Infiltration, inflammatory cell, interstitium				
Slight				
Harderian gland				
Findings : Finding present				
Infiltration, inflammatory cell, focal				
Slight				
Finding Comment : unilateral : left				
Finding absent :				
Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Skeletal muscle, Femur, Mammary gland				

Histopathological findings			Stage : Day 29	Species : Rat
Sex : Female (satellite)				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50553		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50554		
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
Parathyroid				
Findings : Finding absent				
Animal Comment : right parathyroid : missing				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 50555		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings Sex : Female (satellite)			Stage : Day 29	Species : Rat
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50651		
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : left				
Parathyroid				
Findings : Finding absent				
Animal Comment : left parathyroid : missing				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50652		
Thyroid				
Findings : Finding present				
Remnant, ultimobranchial body				
Slight				
Finding Comment : unilateral : right				
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50653		
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland			

Histopathological findings			Stage : Day 29	Species : Rat	
Sex : Female (satellite)					
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50654			
Thyroid					
Findings : Finding present					
Remnant, ultimobranchial body					
Slight					
Finding Comment : bilateral					
Parathyroid					
Findings : Finding absent					
Animal Comment : left parathyroid : missing					
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 50655			
Finding absent :	Lung, Bronchus, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, Kidney, Urinary bladder, Ovary, Uterine horn, Uterine cervix, Vagina, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Thymus, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland				

Histopathological findings			Stage : Recovery Day 15	Species : Rat
Sex : Male				
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10102		
Finding absent :	Kidney			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10103		
Finding absent :	Kidney			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10109		
Finding absent :	Kidney			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10110		
Finding absent :	Kidney			
Test article : TPGME	Dose : 0 mg/kg	Animal No. : 10112		
Finding absent :	Kidney			

Histopathological findings			Stage : Recovery Day 15	Species : Rat
Sex : Male				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10402		
Kidney				
Findings : Finding present				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : bilateral				
Eosinophilic body, proximal tubular epithelium				
Slight				
Finding Comment : bilateral				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10404		
Finding absent :	Kidney			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10405		
Kidney				
Findings : Finding present				
Basophilic change, renal tubule, focal				
Slight				
Finding Comment : unilateral : left				
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10406		
Finding absent :	Kidney			
Test article : TPGME	Dose : 1000 mg/kg	Animal No. : 10409		
Finding absent :	Kidney			

Animal No.	Estrous cycles and copulation														Dose : TPGME 0 mg/kg			Species : Rat		
	Generation : F0																			
	/Before mating (day)														Length of estrous cycle					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	(days)			Mean	Number of estrus	Animal with acyclic or irregular cycle
50151	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50152	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50153	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50154	P	E	M	D	D	P	E	M	D	D	P	E	M	D	5	5		5.0	3	-
50155	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50156	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50157	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50158	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50159	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50160	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50161	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50162	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-

P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

+ : Animal with acyclic or irregular cycle, - : Animal with normal and regular cycle

	Estrous cycles and copulation																		Species : Rat	
	Generation : F0														Dose : TPGME 100 mg/kg					
Animal No.	/Before mating (day)														Length of estrous cycle			Mean	Number of estrus	Animal with acyclic or irregular cycle
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	(days)					
50251	D	P	E	E	M	D	P	E	E	M	D	P	E	M	5	5		5.0	3	-
50252	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50253	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50254	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50255	P	E	M	D	D	P	E	M	D	D	P	E	M	D	5	5		5.0	3	-
50256	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50257	M	D	P	P	E	M	D	D	E	M	D	D	P	E	4	5		4.5	3	-
50258	E	M	D	P	E	E	M	D	D	P	E	M	D	P	4	6		5.0	3	-
50259	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50260	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50261	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50262	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-

P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

+ : Animal with acyclic or irregular cycle, - : Animal with normal and regular cycle

Animal No.	Estrous cycles and copulation														Dose : TPGME 300 mg/kg		Species : Rat		
	Generation : F0																		
	/Before mating (day)														Length of estrous cycle				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	(days)		Mean	Number of estrus	Animal with acyclic or irregular cycle
50351	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4	4.0	3	-
50352	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4	-
50353	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4	-
50354	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4	4.0	3	-
50355	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4	4.0	3	-
50356	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4	4.0	3	-
50357	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4	4.0	3	-
50358	E	M	D	D	P	E	M	D	D	P	E	M	D	D	5	5	5.0	3	-
50359	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4	-
50360	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4	4.0	3	-
50361	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4	4.0	3	-
50362	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4	-

P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

+ : Animal with acyclic or irregular cycle, - : Animal with normal and regular cycle

	Estrous cycles and copulation																	Species : Rat		
	Generation : F0														Dose : TPGME 1000 mg/kg					
Animal No.	/Before mating (day)														Length of estrous cycle			Mean	Number of estrus	Animal with acyclic or irregular cycle
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	(days)					
50451	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50452	P	E	M	D	D	P	E	M	D	P	E	E	M	D	5	4		4.5	3	-
50453	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50454	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50455	P	E	E	M	D	P	E	E	M	D	P	E	E	M	5	5		5.0	3	-
50456	D	D	P	E	M	D	P	E	M	D	D	D	P	E	4	6		5.0	3	-
50457	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50458	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50459	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50460	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50461	P	E	M	D	D	P	E	M	D	P	E	M	D	P	5	4		4.5	3	-
50462	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-

P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

+ : Animal with acyclic or irregular cycle, - : Animal with normal and regular cycle

Estrous cycles and copulation														
Generation : F0														
Dose : TPGME 0 mg/kg														
Species : Rat														
Animal No.	/1st mating (times)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
50151	M	D	P	E										
	N	N	N	Y										
50152	P	E												
	N	Y												
50153	P	E												
	N	Y												
50154	P	E												
	N	Y												
50155	M	D	P	E										
	N	N	N	Y										
50156	M	D	P	E										
	N	N	N	Y										
50157	M	D	P	E										
	N	N	N	Y										
50158	P	E												
	N	Y												
50159	E													
	Y													
50160	E													
	Y													
50161	M	D	P	E										
	N	N	N	Y										
50162	M	D	P	E										
	N	N	N	Y										

Upper / P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

Lower / Y : Completion in copulation, N : Incompletion in copulation

Estrous cycles and copulation														
Generation : F0														
Dose : TPGME 100 mg/kg														
Species : Rat														
Animal No.	/1st mating (times)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
50251	D	D	P	E										
	N	N	N	Y										
50252	P	E												
	N	Y												
50253	E													
	Y													
50254	M	D	P	E										
	N	N	N	Y										
50255	P	E												
	N	Y												
50256	E													
	Y													
50257	M	D	P	E										
	N	N	N	Y										
50258	P	E												
	N	Y												
50259	M	D	P	E										
	N	N	N	Y										
50260	P	E												
	N	Y												
50261	E													
	Y													
50262	M	D	P	E										
	N	N	N	Y										

Upper / P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

Lower / Y : Completion in copulation, N : Incompletion in copulation

Estrous cycles and copulation														
Generation : F0														
Dose : TPGME 300 mg/kg														
Species : Rat														
Animal No.	/1st mating (times)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
50351	E													
	Y													
50352	M	D	P	E										
	N	N	N	Y										
50353	M	D	P	E										
	N	N	N	Y										
50354	E													
	Y													
50355	E													
	Y													
50356	P	E												
	N	Y												
50357	E													
	Y													
50358	P	E												
	N	Y												
50359	M	D	P	E										
	N	N	N	Y										
50360	E													
	Y													
50361	E													
	Y													
50362	M	D	P	E										
	N	N	N	Y										

Upper / P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

Lower / Y : Completion in copulation, N : Incompletion in copulation

Estrous cycles and copulation														
Generation : F0														
Dose : TPGME 1000 mg/kg														
Species : Rat														
Animal No.	/1st mating (times)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
50451	E													
	Y													
50452	P	E												
	N	Y												
50453	E													
	Y													
50454	E													
	Y													
50455	D	D	P	E										
	N	N	N	Y										
50456	E													
	Y													
50457	E													
	Y													
50458	E													
	Y													
50459	M	D	P	E										
	N	N	N	Y										
50460	D	P	E											
	N	N	Y											
50461	E													
	Y													
50462	D	P	E											
	N	N	Y											

Upper / P : Proestrus, E : Estrus, M : Metestrus, D : Diestrus

Lower / Y : Completion in copulation, N : Incompletion in copulation

Reproductive performance										
Generation : F0		Sex : Male		Dose : TPGME 0 mg/kg				Species : Rat		
Animal No.	Day of conceiving	1st mating			2nd mating			Total		
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility	
10101	4	50151	+	+	///	///	///	+	+	
10102	2	50152	+	+	///	///	///	+	+	
10103	2	50153	+	+	///	///	///	+	+	
10104	2	50154	+	+	///	///	///	+	+	
10105	4	50155	+	+	///	///	///	+	+	
10106	4	50156	+	+	///	///	///	+	+	
10107	4	50157	+	+	///	///	///	+	+	
10108	2	50158	+	+	///	///	///	+	+	
10109	1	50159	+	+	///	///	///	+	+	
10110	1	50160	+	+	///	///	///	+	+	
10111	4	50161	+	+	///	///	///	+	+	
10112	4	50162	+	+	///	///	///	+	+	
n	12		12	12		0	0	12	12	
Mean	2.8									
S.D.	1.3									
No. of positives			12	12				12	12	
%			100.0	100.0				100.0	100.0	

/// : No need to input/measure

Reproductive performance										
Generation : F0		Sex : Male		Dose : TPGME 100 mg/kg					Species : Rat	
Animal No.	Day of conceiving	1st mating			2nd mating			Total		
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility	
10201	4	50251	+	+	///	///	///	+	+	
10202	2	50252	+	+	///	///	///	+	+	
10203	1	50253	+	+	///	///	///	+	+	
10204	4	50254	+	+	///	///	///	+	+	
10205	2	50255	+	+	///	///	///	+	+	
10206	1	50256	+	+	///	///	///	+	+	
10207	4	50257	+	+	///	///	///	+	+	
10208	2	50258	+	+	///	///	///	+	+	
10209	4	50259	+	+	///	///	///	+	+	
10210	2	50260	+	+	///	///	///	+	+	
10211	1	50261	+	+	///	///	///	+	+	
10212	4	50262	+	+	///	///	///	+	+	
n	12		12	12		0	0	12	12	
Mean	2.6									
S.D.	1.3									
No. of positives			12	12				12	12	
%			100.0	100.0				100.0	100.0	

/// : No need to input/measure

Reproductive performance										
Generation : F0		Sex : Male		Dose : TPGME 300 mg/kg					Species : Rat	
Animal No.	Day of conceiving	1st mating			2nd mating			Total		
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility	
10301	1	50351	+	+	///	///	///	+	+	
10302	4	50352	+	+	///	///	///	+	+	
10303	4	50353	+	+	///	///	///	+	+	
10304	1	50354	+	+	///	///	///	+	+	
10305	1	50355	+	+	///	///	///	+	+	
10306	2	50356	+	+	///	///	///	+	+	
10307	1	50357	+	+	///	///	///	+	+	
10308	2	50358	+	+	///	///	///	+	+	
10309	4	50359	+	+	///	///	///	+	+	
10310	1	50360	+	+	///	///	///	+	+	
10311	1	50361	+	+	///	///	///	+	+	
10312	4	50362	+	+	///	///	///	+	+	
n	12		12	12		0	0	12	12	
Mean	2.2									
S.D.	1.4									
No. of positives			12	12				12	12	
%			100.0	100.0				100.0	100.0	

/// : No need to input/measure

Reproductive performance										
Generation : F0		Sex : Male		Dose : TPGME 1000 mg/kg					Species : Rat	
Animal No.	Day of conceiving	1st mating			2nd mating			Total		
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility	
10401	1	50451	+	+	///	///	///	+	+	
10402	2	50452	+	+	///	///	///	+	+	
10403	1	50453	+	-	///	///	///	+	-	
10404	1	50454	+	+	///	///	///	+	+	
10405	4	50455	+	+	///	///	///	+	+	
10406	1	50456	+	+	///	///	///	+	+	
10407	1	50457	+	+	///	///	///	+	+	
10408	1	50458	+	+	///	///	///	+	+	
10409	4	50459	+	+	///	///	///	+	+	
10410	3	50460	+	+	///	///	///	+	+	
10411	1	50461	+	+	///	///	///	+	+	
10412	3	50462	+	+	///	///	///	+	+	
n	12		12	12		0	0	12	12	
Mean	1.9									
S.D.	1.2									
No. of positives			12	11				12	11	
%			100.0	91.7				100.0	91.7	

/// : No need to input/measure

Reproductive performance										
Generation : F0		Sex : Female		Dose : TPGME 0 mg/kg				Species : Rat		
Animal No.	Day of conceiving	1st mating			2nd mating			Total		
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility	
50151	4	10101	+	+	///	///	///	+	+	
50152	2	10102	+	+	///	///	///	+	+	
50153	2	10103	+	+	///	///	///	+	+	
50154	2	10104	+	+	///	///	///	+	+	
50155	4	10105	+	+	///	///	///	+	+	
50156	4	10106	+	+	///	///	///	+	+	
50157	4	10107	+	+	///	///	///	+	+	
50158	2	10108	+	+	///	///	///	+	+	
50159	1	10109	+	+	///	///	///	+	+	
50160	1	10110	+	+	///	///	///	+	+	
50161	4	10111	+	+	///	///	///	+	+	
50162	4	10112	+	+	///	///	///	+	+	
n	12		12	12		0	0	12	12	
Mean	2.8									
S.D.	1.3									
No. of positives			12	12				12	12	
%			100.0	100.0				100.0	100.0	

/// : No need to input/measure

Reproductive performance										
Generation : F0		Sex : Female		Dose : TPGME 100 mg/kg				Species : Rat		
Animal No.	Day of conceiving	1st mating			2nd mating			Total		
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility	
50251	4	10201	+	+	///	///	///	+	+	
50252	2	10202	+	+	///	///	///	+	+	
50253	1	10203	+	+	///	///	///	+	+	
50254	4	10204	+	+	///	///	///	+	+	
50255	2	10205	+	+	///	///	///	+	+	
50256	1	10206	+	+	///	///	///	+	+	
50257	4	10207	+	+	///	///	///	+	+	
50258	2	10208	+	+	///	///	///	+	+	
50259	4	10209	+	+	///	///	///	+	+	
50260	2	10210	+	+	///	///	///	+	+	
50261	1	10211	+	+	///	///	///	+	+	
50262	4	10212	+	+	///	///	///	+	+	
n	12		12	12		0	0	12	12	
Mean	2.6									
S.D.	1.3									
No. of positives			12	12				12	12	
%			100.0	100.0				100.0	100.0	

/// : No need to input/measure

Reproductive performance									
Generation : F0		Sex : Female		Dose : TPGME 300 mg/kg				Species : Rat	
Animal No.	Day of conceiving	1st mating			2nd mating			Total	
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility
50351	1	10301	+	+	///	///	///	+	+
50352	4	10302	+	+	///	///	///	+	+
50353	4	10303	+	+	///	///	///	+	+
50354	1	10304	+	+	///	///	///	+	+
50355	1	10305	+	+	///	///	///	+	+
50356	2	10306	+	+	///	///	///	+	+
50357	1	10307	+	+	///	///	///	+	+
50358	2	10308	+	+	///	///	///	+	+
50359	4	10309	+	+	///	///	///	+	+
50360	1	10310	+	+	///	///	///	+	+
50361	1	10311	+	+	///	///	///	+	+
50362	4	10312	+	+	///	///	///	+	+
n	12		12	12		0	0	12	12
Mean	2.2								
S.D.	1.4								
No. of positives			12	12				12	12
%			100.0	100.0				100.0	100.0

/// : No need to input/measure

Reproductive performance										
Generation : F0		Sex : Female		Dose : TPGME 1000 mg/kg					Species : Rat	
Animal No.	Day of conceiving	1st mating			2nd mating			Total		
		Paired animal	Copulation	Fertility	Paired animal	Copulation	Fertility	Copulation	Fertility	
50451	1	10401	+	+	///	///	///	+	+	
50452	2	10402	+	+	///	///	///	+	+	
50453	1	10403	+	-	///	///	///	+	-	
50454	1	10404	+	+	///	///	///	+	+	
50455	4	10405	+	+	///	///	///	+	+	
50456	1	10406	+	+	///	///	///	+	+	
50457	1	10407	+	+	///	///	///	+	+	
50458	1	10408	+	+	///	///	///	+	+	
50459	4	10409	+	+	///	///	///	+	+	
50460	3	10410	+	+	///	///	///	+	+	
50461	1	10411	+	+	///	///	///	+	+	
50462	3	10412	+	+	///	///	///	+	+	
n	12		12	12		0	0	12	12	
Mean	1.9									
S.D.	1.2									
No. of positives			12	11				12	11	
%			100.0	91.7				100.0	91.7	

/// : No need to input/measure

Delivery data					Species : Rat						
Generation : F0					Dose : TPGME 0 mg/kg						
Dam No.	Gestation length (day)	Number of implan- tation	Delivery index (%)	Number of offspring	Number of live newborns			Number of dead newborns			
					M	F	Total	M	F	U	Total
50151	22	17(8/9)	82.4	14	7	7	14	0	0	0	0
50152	22	19(8/11)	89.5	17	11	6	17	0	0	0	0
50153	22	17(10/7)	94.1	16	5	10	15	1	0	0	1
50154	23	16(7/9)	100.0	16	9	7	16	0	0	0	0
50155	22	16(11/5)	87.5	14	7	7	14	0	0	0	0
50156	22	16(9/7)	100.0	16	8	8	16	0	0	0	0
50157	22	18(11/7)	100.0	18	11	5	16	1	1	0	2
50158	22	15(5/10)	93.3	14	7	7	14	0	0	0	0
50159	22	17(10/7)	100.0	17	10	7	17	0	0	0	0
50160	22	15(5/10)	93.3	14	4	7	11	3	0	0	3
50161	22	17(7/10)	100.0	17	5	11	16	1	0	0	1
50162	23	15(11/4)	93.3	14	6	8	14	0	0	0	0
n	12	12	12	12	12	12	12	12	12	12	12
Mean	22.17	16.5	94.45	15.6	7.5	7.5	15.0	0.5	0.1	0.0	0.6
S.D.	0.39	1.2	5.85	1.5	2.4	1.6	1.7	0.9	0.3	0.0	1.0

(/) : Right/Left, M : Male, F : Female, U : Unable to be sexed

Delivery data Generation : F0					Dose : TPGME 100 mg/kg			Species : Rat			
Dam No.	Gestation length (day)	Number of implan- tation	Delivery index (%)	Number of offspring	Number of live newborns			Number of dead newborns			
					M	F	Total	M	F	U	Total
50251	22	20(10/10)	100.0	20	9	10	19	1	0	0	1
50252	23	20(11/9)	90.0	18	14	4	18	0	0	0	0
50253	23	17(8/9)	88.2	15	6	9	15	0	0	0	0
50254	22	18(7/11)	100.0	18	10	8	18	0	0	0	0
50255	23	9(9/0)	100.0	9	4	5	9	0	0	0	0
50256	23	17(10/7)	82.4	14	7	7	14	0	0	0	0
50257	22	19(7/12)	94.7	18	9	9	18	0	0	0	0
50258	22	19(7/12)	73.7	14	5	8	13	0	1	0	1
50259	23	16(9/7)	93.8	15	8	7	15	0	0	0	0
50260	23	8(5/3)	100.0	8	3	5	8	0	0	0	0
50261	22	18(10/8)	100.0	18	8	10	18	0	0	0	0
50262	22	19(10/9)	100.0	19	11	8	19	0	0	0	0
n	12	12	12	12	12	12	12	12	12	12	12
Mean	22.50	16.7	93.57	15.5	7.8	7.5	15.3	0.1	0.1	0.0	0.2
S.D.	0.52	4.0	8.58	3.8	3.1	2.0	3.8	0.3	0.3	0.0	0.4

(/) : Right/Left, M : Male, F : Female, U : Unable to be sexed

Delivery data					Species : Rat						
Generation : F0					Dose : TPGME 300 mg/kg						
Dam No.	Gestation length (day)	Number of implan- tation	Delivery index (%)	Number of offspring	Number of live newborns			Number of dead newborns			
					M	F	Total	M	F	U	Total
50351	22	17(8/9)	94.1	16	6	10	16	0	0	0	0
50352	22	15(8/7)	100.0	15	12	3	15	0	0	0	0
50353	22	16(11/5)	87.5	14	7	7	14	0	0	0	0
50354	22	20(8/12)	90.0	18	8	10	18	0	0	0	0
50355	22	17(11/6)	94.1	16	7	8	15	0	1	0	1
50356	22	14(10/4)	92.9	13	6	7	13	0	0	0	0
50357	22	17(9/8)	100.0	17	7	10	17	0	0	0	0
50358	23	15(5/10)	66.7	10	6	4	10	0	0	0	0
50359	22	18(10/8)	88.9	16	7	9	16	0	0	0	0
50360	22	18(11/7)	100.0	18	9	9	18	0	0	0	0
50361	22	17(10/7)	94.1	16	7	9	16	0	0	0	0
50362	22	18(9/9)	100.0	18	9	8	17	1	0	0	1
n	12	12	12	12	12	12	12	12	12	12	12
Mean	22.08	16.8	92.36	15.6	7.6	7.8	15.4	0.1	0.1	0.0	0.2
S.D.	0.29	1.6	9.26	2.4	1.7	2.3	2.3	0.3	0.3	0.0	0.4

(/) : Right/Left, M : Male, F : Female, U : Unable to be sexed

Delivery data Generation : F0											
Dose : TPGME 1000 mg/kg											
Species : Rat											
Dam No.	Gestation length (day)	Number of implantation	Delivery index (%)	Number of offspring	Number of live newborns			Number of dead newborns			
					M	F	Total	M	F	U	Total
50451	22	16(11/5)	100.0	16	10	6	16	0	0	0	0
50452	22	15(8/7)	100.0	15	11	4	15	0	0	0	0
50454	22	16(8/8)	93.8	15	7	8	15	0	0	0	0
50455	22	18(6/12)	94.4	17	9	8	17	0	0	0	0
50456	22	16(11/5)	100.0	16	10	6	16	0	0	0	0
50457	22	16(8/8)	100.0	16	8	8	16	0	0	0	0
50458	22	17(8/9)	88.2	15	7	8	15	0	0	0	0
50459	23	16(9/7)	93.8	15	9	6	15	0	0	0	0
50460	22	19(9/10)	89.5	17	9	8	17	0	0	0	0
50461	23	18(8/10)	83.3	15	2	11	13	1	1	0	2
50462	22	17(7/10)	94.1	16	4	12	16	0	0	0	0
n	11	11	11	11	11	11	11	11	11	11	11
Mean	22.18	16.7	94.28	15.7	7.8	7.7	15.5	0.1	0.1	0.0	0.2
S.D.	0.40	1.2	5.58	0.8	2.7	2.3	1.1	0.3	0.3	0.0	0.6

(/) : Right/Left, M : Male, F : Female, U : Unable to be sexed

Delivery data (external examination of offspring)			Unit : Number of anomalous offspring (incidence %)	Postnatal Day : 0
Generation : F1			Dose : TPGME 0 mg/kg	Species : Rat
Dam No.	Number of offspring examined	/Findings		
50151	14	No anomaly		
50152	17	No anomaly		
50153	15	No anomaly		
50154	16	No anomaly		
50155	14	No anomaly		
50156	16	No anomaly		
50157	16	No anomaly		
50158	14	No anomaly		
50159	17	No anomaly		
50160	11	No anomaly		
50161	16	No anomaly		
50162	14	No anomaly		
Total	180			
n	12			
Mean				
S.D.				
Mean : Average of incidence (%)				

Delivery data (external examination of offspring)		Unit : Number of anomalous offspring (incidence %)	Postnatal Day : 0
Generation : F1		Dose : TPGME 100 mg/kg	Species : Rat
Dam No.	Number of offspring examined	/Findings	
50251	19	No anomaly	
50252	18	No anomaly	
50253	15	No anomaly	
50254	18	No anomaly	
50255	9	No anomaly	
50256	14	No anomaly	
50257	18	No anomaly	
50258	13	No anomaly	
50259	15	No anomaly	
50260	8	No anomaly	
50261	18	No anomaly	
50262	19	No anomaly	
Total	184		
n	12		
Mean			
S.D.			
Mean : Average of incidence (%)			

Delivery data (external examination of offspring)		Unit : Number of anomalous offspring (incidence %)	Postnatal Day : 0
Generation : F1		Dose : TPGME 300 mg/kg	Species : Rat
Dam No.	Number of offspring examined	/Findings	
50351	16	No anomaly	
50352	15	No anomaly	
50353	14	No anomaly	
50354	18	No anomaly	
50355	15	No anomaly	
50356	13	No anomaly	
50357	17	No anomaly	
50358	10	No anomaly	
50359	16	No anomaly	
50360	18	No anomaly	
50361	16	No anomaly	
50362	17	No anomaly	
Total	185		
n	12		
Mean			
S.D.			
Mean : Average of incidence (%)			

Delivery data (external examination of offspring)		Unit : Number of anomalous offspring (incidence %)	Postnatal Day : 0
Generation : F1		Dose : TPGME 1000 mg/kg	Species : Rat
Dam No.	Number of offspring examined	/Findings	
50451	16	No anomaly	
50452	15	No anomaly	
50454	15	No anomaly	
50455	17	No anomaly	
50456	16	No anomaly	
50457	16	No anomaly	
50458	15	No anomaly	
50459	15	No anomaly	
50460	17	No anomaly	
50461	13	No anomaly	
50462	16	No anomaly	
Total	171		
n	11		
Mean			
S.D.			
Mean : Average of incidence (%)			

Clinical signs of offspring			Dose : TPGME 0 mg/kg											Species : Rat		
Generation : F1																
Dam No.	Number of offspring		/Postnatal Day													
			0	1	2	3	4	5	6	7	8	9	10	11		
50151	Alive :	Male	7	7	7	7	7	4	4	4	4	4	4	4		
		Female	7	7	7	7	6	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/1/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
No abnormality		7/7	7/7	7/7	7/7	7/6	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50152	Alive :	Male	11	11	11	11	11	4	4	4	4	4	4	4		
		Female	6	6	6	6	6	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
No abnormality		11/6	11/6	11/6	11/6	11/6	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50153	Alive :	Male	5	5	5	5	5	4	4	4	4	4	4	4		
		Female	10	10	10	10	10	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
No abnormality		5/10	5/10	5/10	5/10	5/10	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50154	Alive :	Male	9	9	9	9	9	4	4	4	4	4	4	4		
		Female	7	7	7	7	7	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
No abnormality		9/7	9/7	9/7	9/7	9/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50155	Alive :	Male	7	7	7	7	7	4	4	4	4	4	4	4		
		Female	7	7	7	7	7	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
No abnormality		7/7	7/7	7/7	7/7	7/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50156	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	4		
		Female	8	8	8	8	7	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/1/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
No abnormality		8/8	8/8	8/8	8/8	8/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring			Dose : TPGME 0 mg/kg											Species : Rat		
Generation : F1																
Dam No.	Number of offspring		/Postnatal Day													
			0	1	2	3	4	5	6	7	8	9	10	11		
50157	Alive :	Male	11	11	11	11	10	4	4	4	4	4	4	4		
		Female	5	5	5	5	5	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	1/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs	No abnormality	11/5	11/5	11/5	11/5	10/5	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50158	Alive :	Male	7	7	7	7	7	4	4	4	4	4	4	4		
		Female	7	7	7	7	6	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/1/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Signs	No abnormality	7/7	7/7	7/7	7/7	7/6	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50159	Alive :	Male	10	10	10	10	9	4	4	4	4	4	4	4		
		Female	7	7	7	7	7	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	1/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Signs	No abnormality	10/7	10/7	10/7	10/7	9/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50160	Alive :	Male	4	4	4	4	4	4	4	4	4	4	4	4		
		Female	7	7	7	7	7	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Signs	No abnormality	4/7	4/7	4/7	4/7	4/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50161	Alive :	Male	5	5	5	5	5	4	4	4	4	4	4	4		
		Female	11	11	11	11	11	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Signs	No abnormality	5/11	5/11	5/11	5/11	5/11	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50162	Alive :	Male	6	6	6	6	6	4	4	4	4	4	4	4		
		Female	8	8	8	8	8	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0		
		Signs	No abnormality	6/8	6/8	6/8	6/8	6/8	4/4	4/4	4/4	4/4	4/4	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : TPGME 0 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/Postnatal Day		
		12	13	
50151	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50152	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50153	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50154	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50155	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50156	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : TPGME 0 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/Postnatal Day		
		12	13	
50157	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50158	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50159	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50160	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50161	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50162	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring			Dose : TPGME 100 mg/kg											Species : Rat		
Generation : F1																
Dam No.	Number of offspring		/Postnatal Day													
			0	1	2	3	4	5	6	7	8	9	10	11		
50251	Alive :	Male	9	9	9	9	9	4	4	4	4	4	4	4		
		Female	10	10	10	10	10	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
No abnormality		9/10	9/10	9/10	9/10	9/10	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50252	Alive :	Male	14	14	14	14	14	4	4	4	4	4	4	4		
		Female	4	4	4	4	4	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
No abnormality		14/4	14/4	14/4	14/4	14/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50253	Alive :	Male	6	6	6	6	6	4	4	4	4	4	4	4		
		Female	9	9	9	9	9	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
No abnormality		6/9	6/9	6/9	6/9	6/9	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50254	Alive :	Male	10	10	10	10	10	4	4	4	4	4	4	4		
		Female	8	8	8	8	8	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
No abnormality		10/8	10/8	10/8	10/8	10/8	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50255	Alive :	Male	4	4	4	4	4	4	4	4	4	4	4	4		
		Female	5	5	5	5	5	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
No abnormality		4/5	4/5	4/5	4/5	4/5	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50256	Alive :	Male	7	7	7	7	7	4	4	4	4	4	4	4		
		Female	7	7	7	7	7	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
No abnormality		7/7	7/7	7/7	7/7	7/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring			Dose : TPGME 100 mg/kg											Species : Rat	
Generation : F1															
Dam No.	Number of offspring		/Postnatal Day												
			0	1	2	3	4	5	6	7	8	9	10	11	
50257	Alive :	Male	9	9	9	9	9	4	4	4	4	4	4	4	
		Female	9	9	9	9	9	4	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs													
No abnormality		9/9	9/9	9/9	9/9	9/9	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50258	Alive :	Male	5	5	5	5	4	4	4	4	4	4	4	4	
		Female	8	8	8	8	8	4	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	1/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs													
No abnormality		5/8	5/8	5/8	5/8	4/8	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50259	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	4	
		Female	7	7	7	7	7	4	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs													
No abnormality		8/7	8/7	8/7	8/7	8/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50260	Alive :	Male	3	3	3	3	3	3	3	3	3	3	3	3	
		Female	5	5	5	5	5	5	5	5	5	5	5	5	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs													
No abnormality		3/5	3/5	3/5	3/5	3/5	3/5	3/5	3/5	3/5	3/5	3/5	3/5		
50261	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	4	
		Female	10	10	10	10	10	4	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs													
No abnormality		8/10	8/10	8/10	8/10	8/10	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50262	Alive :	Male	11	11	11	9	9	4	4	4	4	4	4	4	
		Female	8	8	8	8	7	4	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	1/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	1/0/0	0/1/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs													
No abnormality		11/8	11/8	11/8	9/8	9/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4		

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : TPGME 100 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/Postnatal Day		
		12	13	
50251	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50252	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50253	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50254	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50255	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50256	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : TPGME 100 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/Postnatal Day		
		12	13	
50257	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50258	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50259	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50260	Alive : Male	3	3	
	Female	5	5	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	3/5	3/5	
50261	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50262	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring			Dose : TPGME 300 mg/kg											Species : Rat		
Generation : F1																
Dam No.	Number of offspring	/Postnatal Day	0	1	2	3	4	5	6	7	8	9	10	11		
50351	Alive :	Male	6	6	6	6	6	4	4	4	4	4	4	4		
		Female	10	10	10	10	10	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
	No abnormality	6/10	6/10	6/10	6/10	6/10	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50352	Alive :	Male	12	12	12	12	12	5	5	5	5	5	5	5		
		Female	3	3	3	3	3	3	3	3	3	3	3	3		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
	No abnormality	12/3	12/3	12/3	12/3	12/3	5/3	5/3	5/3	5/3	5/3	5/3	5/3	5/3		
50353	Alive :	Male	7	7	7	7	7	4	4	4	4	4	4	4		
		Female	7	7	7	7	7	4	4	4	4	4	4	4		
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
	No abnormality	7/7	7/7	7/7	7/7	7/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
	Small pinna	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0		
50354	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	4		
		Female	10	10	10	10	10	4	4	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
	No abnormality	8/10	8/10	8/10	8/10	8/10	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50355	Alive :	Male	7	7	7	7	7	4	4	4	4	4	4	4		
		Female	8	8	8	8	8	4	4	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
	No abnormality	7/8	7/8	7/8	7/8	7/8	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50356	Alive :	Male	6	6	6	6	6	4	4	4	4	4	4	4		
		Female	7	7	7	7	7	4	4	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs														
	No abnormality	6/7	6/7	6/7	6/7	6/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : TPGME 300 mg/kg											Species : Rat
Generation : F1													
Dam No.	Number of offspring	/Postnatal Day											
		0	1	2	3	4	5	6	7	8	9	10	11
50357	Alive : Male	7	7	7	7	7	4	4	4	4	4	4	4
	Female	10	10	10	10	10	4	4	4	4	4	4	4
	Dead : Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Signs												
	No abnormality	6/10	6/10	6/10	6/10	6/10	4/4	4/4	4/4	4/4	4/4	4/4	4/4
50358	Loss of tail	1/0	1/0	1/0	1/0	1/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
	Alive : Male	6	6	6	6	6	4	4	4	4	4	4	4
	Female	4	4	4	4	4	4	4	4	4	4	4	4
	Dead : Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Signs												
50359	No abnormality	6/4	6/4	6/4	6/4	6/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4
	Alive : Male	7	7	7	7	7	4	4	4	4	4	4	4
	Female	9	9	9	9	9	4	4	4	4	4	4	4
	Dead : Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Signs												
50360	No abnormality	7/9	7/9	7/9	7/9	7/9	4/4	4/4	4/4	4/4	4/4	4/4	4/4
	Alive : Male	9	9	9	9	9	4	4	4	4	4	4	4
	Female	9	9	9	9	9	4	4	4	4	4	4	4
	Dead : Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Signs												
50361	No abnormality	9/9	9/9	9/9	9/9	9/9	4/4	4/4	4/4	4/4	4/4	4/4	4/4
	Alive : Male	7	7	7	7	7	4	4	4	4	4	4	4
	Female	9	9	9	9	9	4	4	4	4	4	4	4
	Dead : Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Signs												
50362	No abnormality	7/9	7/9	7/9	7/9	7/9	4/4	4/4	4/4	4/4	4/4	4/4	4/4
	Alive : Male	9	9	9	9	8	4	4	4	4	4	4	4
	Female	8	7	7	7	7	4	4	4	4	4	4	4
	Dead : Dead	0/0/0	0/1/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Unknown	0/0/0	0/0/0	0/0/0	0/0/0	1/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
	Signs												
50362	No abnormality	9/8	9/7	9/7	9/7	8/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : TPGME 300 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/Postnatal Day		
		12	13	
50351	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50352	Alive : Male	5	5	
	Female	3	3	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	5/3	5/3	
50353	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/3	
	Small pinna	0/0	0/1	
50354	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50355	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50356	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : TPGME 300 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/Postnatal Day		
		12	13	
50357	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50358	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50359	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50360	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50361	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50362	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring			Dose : TPGME 1000 mg/kg											Species : Rat	
Generation : F1															
Dam No.	Number of offspring		/Postnatal Day												
			0	1	2	3	4	5	6	7	8	9	10	11	
50451	Alive :	Male	10	10	10	10	10	4	4	4	4	4	4	4	
		Female	6	6	6	6	6	4	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs													
No abnormality		10/6	10/6	10/6	10/6	10/6	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50452	Alive :	Male	11	11	11	11	10	4	4	4	4	4	4	4	
		Female	4	4	4	4	4	4	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	1/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs													
No abnormality		11/4	11/4	11/4	11/4	10/4	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50454	Alive :	Male	7	7	7	7	7	4	4	4	4	4	4	4	
		Female	8	8	8	8	8	4	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs													
No abnormality		7/8	7/8	7/8	7/8	7/8	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50455	Alive :	Male	9	9	9	9	7	4	4	4	4	4	4	4	
		Female	8	8	8	8	8	4	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	2/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs													
No abnormality		9/8	9/8	9/8	9/8	7/8	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50456	Alive :	Male	10	10	10	10	9	4	4	4	4	4	4	4	
		Female	6	6	6	6	6	4	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	1/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs													
No abnormality		10/6	10/6	10/6	10/6	9/6	4/4	4/4	4/4	4/4	4/4	4/4	4/4		
50457	Alive :	Male	8	8	8	8	8	4	4	4	4	4	4	4	
		Female	8	8	8	8	8	4	4	4	4	4	4	4	
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	
		Signs													
No abnormality		8/8	8/8	8/8	8/8	8/8	4/4	4/4	4/4	4/4	4/4	4/4	4/4		

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : TPGME 1000 mg/kg												Species : Rat
Generation : F1														
Dam No.	Number of offspring	/Postnatal Day												
		0	1	2	3	4	5	6	7	8	9	10	11	
50458	Alive :	Male	7	7	7	7	7	4	4	4	4	4	4	4
		Female	8	8	8	8	8	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs												
No abnormality		7/8	7/8	7/8	7/8	7/8	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50459	Alive :	Male	9	9	9	9	9	4	4	4	4	4	4	4
		Female	6	6	6	6	6	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs												
No abnormality		9/6	9/6	9/6	9/6	9/6	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50460	Alive :	Male	9	9	9	9	9	4	4	4	4	4	4	4
		Female	8	8	8	8	7	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/1/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs												
No abnormality		9/8	9/8	9/8	9/8	9/7	4/4	4/4	4/4	4/4	4/4	4/4	4/4	
50461	Alive :	Male	2	2	2	2	2	2	2	2	2	2	2	2
		Female	11	11	11	11	11	6	6	6	6	6	6	6
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs												
No abnormality		2/11	2/11	2/11	2/11	2/11	2/6	2/6	2/6	2/6	2/6	2/6	2/6	
50462	Alive :	Male	4	4	4	4	4	4	4	4	4	4	4	4
		Female	12	12	12	12	12	4	4	4	4	4	4	4
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs												
No abnormality		4/12	4/12	4/12	4/12	4/12	4/4	4/4	4/4	4/4	4/4	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : TPGME 1000 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/Postnatal Day		
		12	13	
50451	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50452	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50454	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50455	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50456	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50457	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical signs of offspring		Dose : TPGME 1000 mg/kg		Species : Rat
Generation : F1				
Dam No.	Number of offspring	/Postnatal Day		
		12	13	
50458	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50459	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50460	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	
50461	Alive : Male	2	2	
	Female	6	6	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	2/6	2/6	
50462	Alive : Male	4	4	
	Female	4	4	
	Dead : Dead	0/0/0	0/0/0	
	Unknown	0/0/0	0/0/0	
	Cannibalism	0/0/0	0/0/0	
	Signs			
	No abnormality	4/4	4/4	

(/) : Number of offspring Male/Female/Unable to be sexed

Litter size and viability index of offspring								
Generation : F1			Dose : TPGME 0 mg/kg			Species : Rat		
/Postnatal Day								
		0	0	4	4	4	13	13
			Viability	Pre-culled	Viability	Post-culled		Viability
Dam No.	Sex	Male/Female	index (%)	Male/Female	index (%)	Male/Female	Male/Female	index (%)
50151	Total	14	100.0	13	92.9	8	8	100.0
		(7/7)		(7/6)		(4/4)	(4/4)	
50152	Total	17	100.0	17	100.0	8	8	100.0
		(11/6)		(11/6)		(4/4)	(4/4)	
50153	Total	15	93.8	15	100.0	8	8	100.0
		(5/10)		(5/10)		(4/4)	(4/4)	
50154	Total	16	100.0	16	100.0	8	8	100.0
		(9/7)		(9/7)		(4/4)	(4/4)	
50155	Total	14	100.0	14	100.0	8	8	100.0
		(7/7)		(7/7)		(4/4)	(4/4)	
50156	Total	16	100.0	15	93.8	8	8	100.0
		(8/8)		(8/7)		(4/4)	(4/4)	
50157	Total	16	88.9	15	93.8	8	8	100.0
		(11/5)		(10/5)		(4/4)	(4/4)	
50158	Total	14	100.0	13	92.9	8	8	100.0
		(7/7)		(7/6)		(4/4)	(4/4)	
50159	Total	17	100.0	16	94.1	8	8	100.0
		(10/7)		(9/7)		(4/4)	(4/4)	
50160	Total	11	78.6	11	100.0	8	8	100.0
		(4/7)		(4/7)		(4/4)	(4/4)	
50161	Total	16	94.1	16	100.0	8	8	100.0
		(5/11)		(5/11)		(4/4)	(4/4)	
50162	Total	14	100.0	14	100.0	8	8	100.0
		(6/8)		(6/8)		(4/4)	(4/4)	
Total		180		175		96	96	
Male/Female		90/90		88/87		48/48	48/48	
n		12	12	12	12	12	12	12
Mean			96.28		97.29			100.00
S.D.			6.67		3.36			0.00

Litter size and viability index of offspring									
Generation : F1			Dose : TPGME 100 mg/kg				Species : Rat		
/Postnatal Day		0		4		4		13	
Dam No.	Sex	Male/Female	Viability index (%)	Pre-culled Male/Female	Viability index (%)	Post-culled Male/Female	Male/Female	Viability index (%)	
50251	Total	19	95.0	19	100.0	8	8	100.0	
		(9/10)		(9/10)		(4/4)	(4/4)		
50252	Total	18	100.0	18	100.0	8	8	100.0	
		(14/4)		(14/4)		(4/4)	(4/4)		
50253	Total	15	100.0	15	100.0	8	8	100.0	
		(6/9)		(6/9)		(4/4)	(4/4)		
50254	Total	18	100.0	18	100.0	8	8	100.0	
		(10/8)		(10/8)		(4/4)	(4/4)		
50255	Total	9	100.0	9	100.0	8	8	100.0	
		(4/5)		(4/5)		(4/4)	(4/4)		
50256	Total	14	100.0	14	100.0	8	8	100.0	
		(7/7)		(7/7)		(4/4)	(4/4)		
50257	Total	18	100.0	18	100.0	8	8	100.0	
		(9/9)		(9/9)		(4/4)	(4/4)		
50258	Total	13	92.0	12	92.3	8	8	100.0	
		(5/8)		(4/8)		(4/4)	(4/4)		
50259	Total	15	100.0	15	100.0	8	8	100.0	
		(8/7)		(8/7)		(4/4)	(4/4)		
50260	Total	8	100.0	8	100.0	8	8	100.0	
		(3/5)		(3/5)		(3/5)	(3/5)		
50261	Total	18	100.0	18	100.0	8	8	100.0	
		(8/10)		(8/10)		(4/4)	(4/4)		
50262	Total	19	100.0	16	84.2	8	8	100.0	
		(11/8)		(9/7)		(4/4)	(4/4)		
Total		184		180		96	96		
Male/Female		94/90		91/89		47/49	47/49		
n		12	12	12	12	12	12	12	
Mean			98.99		98.04			100.00	
S.D.			2.40		4.89			0.00	

Litter size and viability index of offspring								
Generation : F1			Dose : TPGME 300 mg/kg			Species : Rat		
/Postnatal Day								
		0	0	4	4	4	13	13
Dam No.	Sex	Male/Female	Viability index (%)	Pre-culled Male/Female	Viability index (%)	Post-culled Male/Female	Male/Female	Viability index (%)
50351	Total	16	100.0	16	100.0	8	8	100.0
		(6/10)		(6/10)		(4/4)	(4/4)	
50352	Total	15	100.0	15	100.0	8	8	100.0
		(12/3)		(12/3)		(5/3)	(5/3)	
50353	Total	14	100.0	14	100.0	8	8	100.0
		(7/7)		(7/7)		(4/4)	(4/4)	
50354	Total	18	100.0	18	100.0	8	8	100.0
		(8/10)		(8/10)		(4/4)	(4/4)	
50355	Total	15	93.8	15	100.0	8	8	100.0
		(7/8)		(7/8)		(4/4)	(4/4)	
50356	Total	13	100.0	13	100.0	8	8	100.0
		(6/7)		(6/7)		(4/4)	(4/4)	
50357	Total	17	100.0	17	100.0	8	8	100.0
		(7/10)		(7/10)		(4/4)	(4/4)	
50358	Total	10	100.0	10	100.0	8	8	100.0
		(6/4)		(6/4)		(4/4)	(4/4)	
50359	Total	16	100.0	16	100.0	8	8	100.0
		(7/9)		(7/9)		(4/4)	(4/4)	
50360	Total	18	100.0	18	100.0	8	8	100.0
		(9/9)		(9/9)		(4/4)	(4/4)	
50361	Total	16	100.0	16	100.0	8	8	100.0
		(7/9)		(7/9)		(4/4)	(4/4)	
50362	Total	17	94.4	15	88.2	8	8	100.0
		(9/8)		(8/7)		(4/4)	(4/4)	
Total		185		183		96	96	
Male/Female		91/94		90/93		49/47	49/47	
n		12	12	12	12	12	12	12
Mean			99.02		99.02			100.00
S.D.			2.30		3.41			0.00

Litter size and viability index of offspring								
Generation : F1			Dose : TPGME 1000 mg/kg				Species : Rat	
/Postnatal Day								
Dam No.	Sex	0	0	4	4	4	13	13
		Male/Female	Viability index (%)	Pre-culled Male/Female	Viability index (%)	Post-culled Male/Female	Male/Female	Viability index (%)
50451	Total	16	100.0	16	100.0	8	8	100.0
		(10/6)		(10/6)		(4/4)	(4/4)	
50452	Total	15	100.0	14	93.3	8	8	100.0
		(11/4)		(10/4)		(4/4)	(4/4)	
50454	Total	15	100.0	15	100.0	8	8	100.0
		(7/8)		(7/8)		(4/4)	(4/4)	
50455	Total	17	100.0	15	88.2	8	8	100.0
		(9/8)		(7/8)		(4/4)	(4/4)	
50456	Total	16	100.0	15	93.8	8	8	100.0
		(10/6)		(9/6)		(4/4)	(4/4)	
50457	Total	16	100.0	16	100.0	8	8	100.0
		(8/8)		(8/8)		(4/4)	(4/4)	
50458	Total	15	100.0	15	100.0	8	8	100.0
		(7/8)		(7/8)		(4/4)	(4/4)	
50459	Total	15	100.0	15	100.0	8	8	100.0
		(9/6)		(9/6)		(4/4)	(4/4)	
50460	Total	17	100.0	16	94.1	8	8	100.0
		(9/8)		(9/7)		(4/4)	(4/4)	
50461	Total	13	86.7	13	100.0	8	8	100.0
		(2/11)		(2/11)		(2/6)	(2/6)	
50462	Total	16	100.0	16	100.0	8	8	100.0
		(4/12)		(4/12)		(4/4)	(4/4)	
Total		171		166		88	88	
Male/Female		86/85		82/84		42/46	42/46	
n		11	11	11	11	11	11	11
Mean			98.79		97.22			100.00
S.D.			4.01		4.15			0.00

Litter data on body weight of offspring									
Generation : F1									
Dose : TPGME 0 mg/kg									
Unit : g									
Species : Rat									
/Postnatal Day									
Dam No.	Sex	0		4		7		13	
		n	B.W.	n	B.W.	n	B.W.	n	B.W.
50151	Male	7	6.43	7	11.60	4	20.00	4	37.45
	Female	7	5.97	6	10.62	4	18.70	4	36.48
50152	Male	11	6.25	11	9.50	4	17.45	4	34.45
	Female	6	6.10	6	9.30	4	17.10	4	33.65
50153	Male	5	6.60	5	10.00	4	17.98	4	34.95
	Female	10	6.28	10	9.85	4	18.20	4	34.93
50154	Male	9	7.58	9	11.23	4	20.23	4	39.33
	Female	7	7.00	7	10.73	4	19.30	4	38.08
50155	Male	7	6.64	7	10.13	4	16.60	4	32.10
	Female	7	6.19	7	9.31	4	14.65	4	29.13
50156	Male	8	5.70	8	8.91	4	15.63	4	30.10
	Female	8	5.56	7	8.66	4	14.15	4	27.45
50157	Male	11	6.25	10	11.47	4	20.65	4	38.00
	Female	5	6.44	5	11.64	4	20.60	4	37.88
50158	Male	7	7.10	7	11.43	4	19.90	4	36.10
	Female	7	6.56	6	10.85	4	18.53	4	33.40
50159	Male	10	6.50	9	9.91	4	17.73	4	34.50
	Female	7	6.17	7	9.33	4	17.10	4	33.25
50160	Male	4	6.45	4	10.55	4	17.30	4	33.20
	Female	7	5.89	7	9.76	4	16.80	4	32.55
50161	Male	5	7.14	5	11.22	4	19.40	4	36.13
	Female	11	6.67	11	10.69	4	18.88	4	35.40
50162	Male	6	6.67	6	11.18	4	17.75	4	33.20
	Female	8	6.98	8	11.08	4	17.75	4	33.53
n	Male	90		88		48		48	
	Female	90		87		48		48	
Mean	Male		6.609		10.594		18.385		34.959
	Female		6.318		10.152		17.647		33.811
S.D.	Male		0.488		0.889		1.604		2.623
	Female		0.433		0.904		1.851		3.166

Litter data on body weight of offspring									
Generation : F1									
Dose : TPGME 100 mg/kg									
Unit : g									
Species : Rat									
/Postnatal Day									
Dam No.	Sex	0		4		7		13	
		n	B.W.	n	B.W.	n	B.W.	n	B.W.
50251	Male	9	5.84	9	8.70	4	14.50	4	29.53
	Female	10	5.61	10	8.66	4	15.33	4	31.23
50252	Male	14	6.94	14	9.68	4	16.95	4	33.83
	Female	4	6.58	4	8.88	4	14.70	4	30.25
50253	Male	6	8.02	6	12.87	4	20.98	4	39.70
	Female	9	7.30	9	11.73	4	19.25	4	36.48
50254	Male	10	6.52	10	9.16	4	16.28	4	34.98
	Female	8	6.40	8	8.66	4	15.15	4	32.43
50255	Male	4	8.80	4	15.13	4	23.58	4	40.15
	Female	5	8.54	5	14.84	4	23.00	4	39.05
50256	Male	7	7.43	7	12.07	4	21.00	4	38.20
	Female	7	7.07	7	11.37	4	20.35	4	38.58
50257	Male	9	6.11	9	8.99	4	15.73	4	33.90
	Female	9	5.83	9	8.67	4	15.50	4	32.68
50258	Male	5	5.88	4	10.78	4	18.30	4	35.35
	Female	8	5.68	8	10.15	4	17.00	4	34.43
50259	Male	8	7.29	8	11.29	4	20.48	4	38.60
	Female	7	6.71	7	9.83	4	18.63	4	36.38
50260	Male	3	8.33	3	14.93	3	21.17	3	34.60
	Female	5	8.14	5	14.22	5	20.18	5	32.74
50261	Male	8	6.34	8	9.55	4	17.68	4	36.25
	Female	10	6.24	10	9.70	4	18.23	4	36.60
50262	Male	11	5.90	9	8.47	4	15.45	4	34.13
	Female	8	5.66	7	7.76	4	14.95	4	32.55
n	Male	94		91		47		47	
	Female	90		89		49		49	
Mean	Male		6.950		10.968		18.508		35.768
	Female		6.647		10.373		17.689		34.450
S.D.	Male		1.025		2.340		2.865		3.013
	Female		0.968		2.261		2.677		2.899

Litter data on body weight of offspring									
Generation : F1									
Dose : TPGME 300 mg/kg									
Unit : g									
Species : Rat									
/Postnatal Day									
Dam No.	Sex	0		4		7		13	
		n	B.W.	n	B.W.	n	B.W.	n	B.W.
50351	Male	6	6.17	6	9.12	4	16.75	4	32.95
	Female	10	6.24	10	9.30	4	17.68	4	34.48
50352	Male	12	6.63	12	10.28	5	17.96	5	35.04
	Female	3	6.10	3	9.87	3	16.40	3	32.73
50353	Male	7	6.37	7	10.19	4	18.70	4	35.98
	Female	7	5.90	7	9.70	4	17.68	4	34.63
50354	Male	8	6.29	8	9.29	4	16.65	4	32.80
	Female	10	5.81	10	7.74	4	15.48	4	31.38
50355	Male	7	6.56	7	10.07	4	18.15	4	34.43
	Female	8	5.99	8	9.08	4	15.73	4	32.28
50356	Male	6	7.33	6	11.93	4	20.53	4	35.60
	Female	7	7.03	7	11.14	4	19.68	4	35.15
50357	Male	7	6.54	7	10.10	4	18.58	4	36.30
	Female	10	6.40	10	9.92	4	17.75	4	35.05
50358	Male	6	7.90	6	14.77	4	22.85	4	40.00
	Female	4	7.48	4	14.10	4	22.53	4	39.28
50359	Male	7	6.43	7	10.36	4	17.95	4	36.90
	Female	9	5.96	9	9.46	4	16.60	4	35.05
50360	Male	9	6.71	9	9.87	4	17.73	4	33.35
	Female	9	6.22	9	9.22	4	15.75	4	30.38
50361	Male	7	6.40	7	9.97	4	17.08	4	32.73
	Female	9	6.07	9	9.62	4	16.18	4	31.33
50362	Male	9	5.88	8	8.36	4	14.90	4	31.90
	Female	8	5.66	7	7.84	4	12.05	4	27.70
n	Male	91		90		49		49	
	Female	94		93		47		47	
Mean	Male		6.601		10.359		18.153		34.832
	Female		6.238		9.749		16.959		33.287
S.D.	Male		0.536		1.629		2.009		2.299
	Female		0.523		1.641		2.530		2.974

Litter data on body weight of offspring									
Generation : F1									
Dose : TPGME 1000 mg/kg									
Unit : g									
Species : Rat									
/Postnatal Day									
Dam No.	Sex	0		4		7		13	
		n	B.W.	n	B.W.	n	B.W.	n	B.W.
50451	Male	10	6.62	10	9.89	4	17.60	4	33.50
	Female	6	5.98	6	9.22	4	15.63	4	30.93
50452	Male	11	7.07	10	9.44	4	17.33	4	33.48
	Female	4	6.50	4	8.90	4	15.93	4	31.78
50454	Male	7	6.74	7	10.64	4	18.13	4	33.78
	Female	8	6.24	8	10.04	4	17.28	4	33.18
50455	Male	9	5.68	7	9.01	4	16.18	4	31.23
	Female	8	5.28	8	8.23	4	15.40	4	30.55
50456	Male	10	6.28	9	9.10	4	14.33	4	29.60
	Female	6	6.12	6	9.13	4	14.13	4	27.63
50457	Male	8	6.34	8	8.33	4	14.65	4	29.93
	Female	8	5.88	8	7.95	4	13.33	4	28.08
50458	Male	7	6.73	7	9.91	4	16.20	4	30.90
	Female	8	6.26	8	9.33	4	16.40	4	31.08
50459	Male	9	7.30	9	10.87	4	19.28	4	36.18
	Female	6	6.40	6	9.40	4	16.58	4	32.48
50460	Male	9	6.66	9	10.31	4	17.60	4	33.83
	Female	8	5.95	7	8.77	4	15.55	4	31.38
50461	Male	2	6.55	2	11.15	2	18.40	2	33.75
	Female	11	6.70	11	11.38	6	19.33	6	34.90
50462	Male	4	7.20	4	11.63	4	19.35	4	35.95
	Female	12	6.85	12	10.38	4	17.75	4	33.85
n	Male	86		82		42		42	
	Female	85		84		46		46	
Mean	Male		6.652		10.025		17.186		32.921
	Female		6.196		9.339		16.119		31.440
S.D.	Male		0.458		1.007		1.684		2.227
	Female		0.433		0.974		1.657		2.213

Litter data on anogenital distance of offspring					Dose : TPGME 0 mg/kg		Unit : mm		Species : Rat	
Generation : F1										
Sex /Postnatal Day										
4										
Dam No.		n	AGD	AGD/ $\sqrt[3]{BW}$						
50151	Male	7	6.341	2.801						
	Female	6	2.708	1.233						
50152	Male	11	5.876	2.777						
	Female	6	2.742	1.307						
50153	Male	5	5.852	2.718						
	Female	10	2.753	1.285						
50154	Male	9	5.858	2.617						
	Female	7	2.739	1.243						
50155	Male	7	5.414	2.503						
	Female	7	2.700	1.281						
50156	Male	8	5.261	2.548						
	Female	7	2.650	1.291						
50157	Male	10	5.860	2.599						
	Female	5	2.710	1.196						
50158	Male	7	6.029	2.676						
	Female	6	2.750	1.245						
50159	Male	9	5.563	2.593						
	Female	7	2.701	1.287						
50160	Male	4	5.668	2.585						
	Female	7	2.614	1.223						
50161	Male	5	5.836	2.608						
	Female	11	2.708	1.231						
50162	Male	6	5.777	2.590						
	Female	8	2.790	1.253						
n	Male	88								
	Female	87								
Mean	Male		5.7779	2.6346						
	Female		2.7138	1.2563						
S.D.	Male		0.2812	0.0904						
	Female		0.0472	0.0336						

AGD : Anogenital Distance

Litter data on anogenital distance of offspring				
Generation : F1				
Dose : TPGME 100 mg/kg				
Unit : mm				
Species : Rat				
Sex /Postnatal Day				
4				
Dam No.		n	AGD	AGD/ $\sqrt[3]{BW}$
50251	Male	9	5.376	2.613
	Female	10	2.646	1.293
50252	Male	14	5.794	2.727
	Female	4	2.735	1.320
50253	Male	6	6.163	2.632
	Female	9	2.796	1.231
50254	Male	10	5.784	2.773
	Female	8	2.686	1.310
50255	Male	4	6.578	2.660
	Female	5	3.104	1.266
50256	Male	7	5.913	2.580
	Female	7	2.723	1.211
50257	Male	9	5.602	2.706
	Female	9	2.750	1.343
50258	Male	4	5.985	2.710
	Female	8	2.756	1.276
50259	Male	8	5.725	2.556
	Female	7	2.636	1.234
50260	Male	3	6.323	2.567
	Female	5	2.952	1.218
50261	Male	8	5.698	2.690
	Female	10	2.658	1.247
50262	Male	9	5.753	2.828
	Female	7	2.736	1.386
n	Male	91		
	Female	89		
Mean	Male		5.8912	2.6702
	Female		2.7648	1.2779
S.D.	Male		0.3296	0.0845
	Female		0.1359	0.0541

AGD : Anogenital Distance

Litter data on anogenital distance of offspring				
Generation : F1				
Dose : TPGME 300 mg/kg				
Unit : mm				
Species : Rat				
Sex / Postnatal Day				
4				
Dam No.		n	AGD	AGD/ $\sqrt[3]{\text{BW}}$
50351	Male	6	5.693	2.732
	Female	10	2.737	1.304
50352	Male	12	5.733	2.643
	Female	3	2.710	1.267
50353	Male	7	5.753	2.656
	Female	7	2.724	1.280
50354	Male	8	5.764	2.745
	Female	10	2.673	1.357
50355	Male	7	5.804	2.690
	Female	8	2.668	1.280
50356	Male	6	5.755	2.520
	Female	7	2.741	1.230
50357	Male	7	5.766	2.669
	Female	10	2.707	1.261
50358	Male	6	6.097	2.485
	Female	4	2.925	1.210
50359	Male	7	5.740	2.634
	Female	9	2.722	1.289
50360	Male	9	5.953	2.781
	Female	9	2.746	1.310
50361	Male	7	5.843	2.716
	Female	9	2.774	1.304
50362	Male	8	5.701	2.813
	Female	7	2.706	1.367
n	Male	90		
	Female	93		
Mean	Male		5.8002	2.6737
	Female		2.7361	1.2883
S.D.	Male		0.1166	0.0970
	Female		0.0665	0.0455

AGD : Anogenital Distance

Litter data on anogenital distance of offspring					Unit : mm	Species : Rat
Generation : F1						
Dose : TPGME 1000 mg/kg						
Sex		/Postnatal Day				
Dam No.		4				
		n	AGD	AGD/ $\sqrt[3]{BW}$		
50451	Male	10	5.745	2.677		
	Female	6	2.695	1.287		
50452	Male	10	5.599	2.655		
	Female	4	2.675	1.295		
50454	Male	7	6.000	2.730		
	Female	8	2.765	1.283		
50455	Male	7	5.714	2.751		
	Female	8	2.653	1.325		
50456	Male	9	5.756	2.759		
	Female	6	2.768	1.327		
50457	Male	8	5.705	2.820		
	Female	8	2.760	1.386		
50458	Male	7	5.830	2.716		
	Female	8	2.689	1.278		
50459	Male	9	5.989	2.709		
	Female	6	2.712	1.287		
50460	Male	9	5.752	2.647		
	Female	7	2.709	1.314		
50461	Male	2	5.615	2.515		
	Female	11	2.728	1.214		
50462	Male	4	5.765	2.545		
	Female	12	2.722	1.248		
n	Male	82				
	Female	84				
Mean	Male		5.7700	2.6840		
	Female		2.7160	1.2949		
S.D.	Male		0.1289	0.0908		
	Female		0.0376	0.0446		

AGD : Anogenital Distance

Litter data on nipple retention of male offspring				Dose : TPGME 0 mg/kg	Species : Rat
Generation : F1					
Dam No.	Sex	Postnatal Day 13			
		n	Number of nipples		
50151	Male	4	0.0		
50152	Male	4	0.0		
50153	Male	4	0.0		
50154	Male	4	0.0		
50155	Male	4	0.0		
50156	Male	4	0.0		
50157	Male	4	0.0		
50158	Male	4	0.0		
50159	Male	4	0.0		
50160	Male	4	0.0		
50161	Male	4	0.0		
50162	Male	4	0.0		
n	Male	48			
Mean			0.00		
S.D.			0.00		

Litter data on nipple retention of male offspring				Dose : TPGME 100 mg/kg	Species : Rat
Generation : F1					
Dam No.	Sex	Postnatal Day 13			
		n	Number of nipples		
50251	Male	4	0.0		
50252	Male	4	0.0		
50253	Male	4	0.0		
50254	Male	4	0.0		
50255	Male	4	0.0		
50256	Male	4	0.0		
50257	Male	4	0.0		
50258	Male	4	0.0		
50259	Male	4	0.0		
50260	Male	3	0.0		
50261	Male	4	0.0		
50262	Male	4	0.0		
n	Male	47			
Mean			0.00		
S.D.			0.00		

Litter data on nipple retention of male offspring				Dose : TPGME 300 mg/kg	Species : Rat
Generation : F1					
Dam No.	Sex	Postnatal Day 13			
		n	Number of nipples		
50351	Male	4	0.0		
50352	Male	5	0.0		
50353	Male	4	0.0		
50354	Male	4	0.0		
50355	Male	4	0.0		
50356	Male	4	0.0		
50357	Male	4	0.0		
50358	Male	4	0.0		
50359	Male	4	0.0		
50360	Male	4	0.0		
50361	Male	4	0.0		
50362	Male	4	0.0		
n	Male	49			
Mean			0.00		
S.D.			0.00		

Litter data on nipple retention of male offspring				Dose : TPGME 1000 mg/kg	Species : Rat
Generation : F1					
Dam No.	Sex	Postnatal Day 13			
		n	Number of nipples		
50451	Male	4	0.0		
50452	Male	4	0.0		
50454	Male	4	0.0		
50455	Male	4	0.0		
50456	Male	4	0.0		
50457	Male	4	0.0		
50458	Male	4	0.0		
50459	Male	4	0.0		
50460	Male	4	0.0		
50461	Male	2	0.0		
50462	Male	4	0.0		
n	Male	42			
Mean			0.00		
S.D.			0.00		

Serum T4 concentration of offspring		Stage : Postnatal Day 13	Species : Rat
Generation : F1		Dose : TPGME 0 mg/kg	
T4			
Dam No.	ng/mL		
50151	49.4		
50152	43.9		
50153	46.5		
50154	54.1		
50155	39.3		
50156	50.3		
50157	42.6		
50158	45.7		
50159	45.1		
50160	63.5		
50161	46.2		
50162	55.0		
n	12		
Mean	48.47		
S.D.	6.55		

Serum T4 concentration of offspring		Stage : Postnatal Day 13	Species : Rat
Generation : F1		Dose : TPGME 100 mg/kg	
T4			
Dam No.	ng/mL		
50251	44.0		
50252	49.2		
50253	62.3		
50254	36.7		
50255	55.7		
50256	52.7		
50257	42.5		
50258	45.6		
50259	38.1		
50260	52.9		
50261	43.7		
50262	35.4		
n	12		
Mean	46.57		
S.D.	8.21		

Serum T4 concentration of offspring		Stage : Postnatal Day 13	Species : Rat
Generation : F1		Dose : TPGME 300 mg/kg	
T4			
Dam No.	ng/mL		
50351	47.5		
50352	51.4		
50353	47.6		
50354	48.3		
50355	47.8		
50356	61.2		
50357	56.5		
50358	52.9		
50359	42.4		
50360	49.5		
50361	50.1		
50362	40.6		
n	12		
Mean	49.65		
S.D.	5.58		

Serum T4 concentration of offspring		Stage : Postnatal Day 13	Species : Rat
Generation : F1		Dose : TPGME 1000 mg/kg	
T4			
Dam No.	ng/mL		
50451	53.5		
50452	42.4		
50454	45.4		
50455	53.6		
50456	46.6		
50457	42.0		
50458	54.9		
50459	51.6		
50460	46.4		
50461	47.4		
50462	47.5		
n	11		
Mean	48.30		
S.D.	4.48		

Necropsy findings of offspring				Dose : TPGME 0 mg/kg		Species : Rat	
Generation : F1							
Dam No.	Number of live offspring examined on postnatal Day 13		/Findings	Number of dead offspring examined on postnatal Day 0-13			
50151	8	Absent		0			
50152	8	Absent		0			
50153	8	Absent		1	Absent (Day 0)		
50154	8	Absent		0			
50155	8	Absent		0			
50156	8	Absent		0			
50157	8	Absent		2	Absent (Day 0)		
50158	8	Absent		0			
50159	8	Absent		0			
50160	8	Absent		3	Absent (Day 0)		
50161	8	Absent		1	Absent (Day 0)		
50162	8	Absent		0			
Total	96			7			
n	12			4			

Necropsy findings of offspring				Dose : TPGME 100 mg/kg		Species : Rat	
Generation : F1							
Dam No.	Number of live offspring examined on postnatal Day 13		/Findings	Number of dead offspring examined on postnatal Day 0-13			
50251	8	Absent		1	Absent (Day 0)		
50252	8	Absent		0			
50253	8	Absent		0			
50254	8	Absent		0			
50255	8	Absent		0			
50256	8	Absent		0			
50257	8	Absent		0			
50258	8	Absent		1	Absent (Day 0)		
50259	8	Absent		0			
50260	8	Absent		0			
50261	8	Absent		0			
50262	8	Absent		1	Absent (Day 3)		
Total	96			3			
n	12			3			

Necropsy findings of offspring			Dose : TPGME 300 mg/kg		Species : Rat
Generation : F1					
Dam No.	Number of live offspring examined on postnatal Day 13	/Findings	Number of dead offspring examined on postnatal Day 0-13	/Findings	
50351	8	Absent	0		
50352	8	Absent	0		
50353	8	1, Small pinna; 7, Absent	0		
50354	8	Absent	0		
50355	8	Absent	1	Absent (Day 0)	
50356	8	Absent	0		
50357	8	Absent	0		
50358	8	Absent	0		
50359	8	Absent	0		
50360	8	Absent	0		
50361	8	Absent	0		
50362	8	Absent	2	1, Absent (Day 0); 1 Absent (Day 1)	
Total	96		3		
n	12		2		

Necropsy findings of offspring			Dose : TPGME 1000 mg/kg		Species : Rat	
Generation : F1						
Dam No.	Number of live offspring examined on postnatal Day 13		Number of dead offspring examined on postnatal Day 0-13			
		/Findings				
50451	8	Absent	0			
50452	8	Absent	1	Absent (Day 4)		
50454	8	Absent	0			
50455	8	Absent	0			
50456	8	Absent	0			
50457	8	Absent	0			
50458	8	Absent	0			
50459	8	Absent	0			
50460	8	Absent	0			
50461	8	Absent	2	Absent (Day 0)		
50462	8	Absent	0			
Total	88		3			
n	11		2			

Certificate of Analysis

Product Name:

Tri(propylene glycol) methyl ether, mixture of isomers - $\geq 97.5\%$

Product Number:

Batch Number:

Brand:

CAS Number:

Formula:

Formula Weight:

Quality Release Date:

 $\text{CH}_3\text{OC}_3\text{H}_6(\text{OC}_3\text{H}_6)_2\text{OH}$

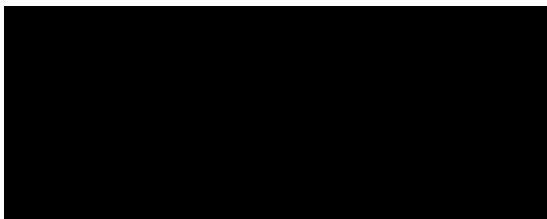
25498-49-1

C₁₀H₂₂O₄

206,28 g/mol

12 MAY 2023

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Color Test	≤ 15 APHA	< 15 APHA
Purity (GC)	$\geq 97.5\%$	98.9 %
(sum of isomers)		
Water	$\leq 0.1\%$	$< 0.1\%$
Infrared Spectrum	Conforms to Structure	Conforms

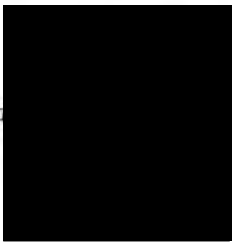


最 終 報 告 書

投与液中における [2- (2-メトキシメチルエトキシ) メチルエトキシ] プロパノールの
の安定性確認試験

(試験番号：2434Q)

2025 年 1 月 31 日

保土谷ニ

株式会社

陳 述 書

保土谷コントラクトラボ株式会社

試験委託者： 厚生労働省

試験番号： 2434Q

試験表題： 投与液中における〔2-（2-メトキシメチルエトキシ）メチルエトキシ〕
プロパノールの安定性確認試験

上記試験は、『新規化学物質等に係る試験を実施する試験施設に関する基準について』（薬食発 0331 第 8 号、平成 23・03・29 製局第 6 号、環保企発第 110331010 号：平成 23 年 3 月 31 日）に基づく『新規化学物質等に係る試験を実施する試験施設に関する基準』を適用して実施されたものです。

2025 年 | 月 3 | 日

試験主任者



<安定性確認試験>

書式 QAP-026

信頼性保証書

2025 年 / 月 3 / 日

保土谷コントラクトラボ株式会社 GLP信頼性保証室

信頼性保証業務担当者

信頼性保証業務責任者

試験委託者：厚生労働省

試験番号：2434Q

試験表題：投与液中における [2- (2-メトキシメチルエトキシ) メチルエトキシ] プロパノールの安定性確認試験

本最終報告書は、試験の方法が正しく記載されており、内容が試験計画書及び標準操作手順書に従い、かつ、試験結果は生データを正しく反映していることを保証する。

監査・査察実施日及び報告日

監査・査察項目	監査・査察実施日	監査・査察結果報告日	
		運営管理者	試験責任者
1. 試験計画の監査	2024年 9月12日	2024年 9月12日	2024年 9月12日
(1) 試験計画書の監査			
(2) 試験計画変更書の監査	年 月 日	年 月 日	年 月 日
2. 試験実施施設の査察	2024年 9月13日	2024年 9月13日	2024年 9月13日
3. 試験の実施に関する監査・査察	2024年 9月20日	2024年 9月20日	2024年 9月20日
	2024年 9月30日	2024年 9月30日	2024年 9月30日
	2024年10月 1日	2024年10月 1日	2024年10月 1日
	2024年10月18日	2024年10月18日	2024年10月18日
(2) 安定性試験	2024年12月11日・2025年 1月17日	2025年 1月17日	2025年 1月17日
4. 最終報告書の監査	2025年 1月31日	2025年 1月31日	2025年 1月31日

要 約

1. 試験番号、試験表題

2434Q、投与液中における「2－（2－メトキシメチルエトキシ）メチルエトキシ」プロパノールの安定性確認試験

2. 試験目的

株式会社化合物安全性研究所で実施する「「2－（2－メトキシメチルエトキシ）メチルエトキシ」プロパノールのラットにおける反復投与毒性・生殖発生毒性併合試験」の投与液中における「2－（2－メトキシメチルエトキシ）メチルエトキシ」プロパノールの安定性を確認する。

3. 試験方法

GC 法により試料溶液中の被験物質濃度を測定した。

4. GLP の適用

『新規化学物質等に係る試験を実施する試験施設に関する基準について』（薬食発 0331 第 8 号、平成 23・03・29 製局第 6 号、環保企発第 110331010 号：平成 23 年 3 月 31 日）に基づく『新規化学物質等に係る試験を実施する試験施設に関する基準』を適用して実施した。

5. 試験結果

被験物質は、投与試料として冷蔵 10 日間+室温約 23 時間後まで安定であることを確認した。

試料濃度 (mg/mL)	経過日数	平均 被験物質濃度 (mg/mL)	含有率 (%)	残存率 (%)
2	調製日	1.94	97.0	—
	10	1.98	99.0	102.1
	11*	1.98	99.0	102.1
200	調製日	200	100.0	—
	10	207	103.5	103.5
	11*	200	100.0	100.0

*：冷蔵 10 日間+室温約 23 時間経過

6. 被験物質の安定性

被験物質は保管条件下で安定であることを確認した。

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図- 3 被験物質の安定性確認(実験終了後、保管条件下) IR スペクトル

図- 4 GC 測定チャート 代表例

1. 試験番号、試験表題

2434Q、投与液中における「2-（2-メトキシメチルエトキシ）メチルエトキシ」プロパノールの安定性確認試験

2. 試験目的

株式会社化合物安全性研究所で実施する「「2-（2-メトキシメチルエトキシ）メチルエトキシ」プロパノールのラットにおける反復投与毒性・生殖発生毒性併合試験」の投与液中における「2-（2-メトキシメチルエトキシ）メチルエトキシ」プロパノールの安定性を確認する。

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5. 試験委託者

名 称： 厚生労働省
所 在 地： (〒100-8916) 東京都千代田区霞が関 1-2-2
電 話 番 号： 03-5253-1111

6. 試験施設

名 称： 株式会社化合物安全性研究所
所 在 地： (〒004-0839) 北海道札幌市清田区真栄 363 番 24
電 話 番 号： 011-885-5031

7. 試験場所

名 称： 保土谷コントラクトラボ株式会社
所 在 地： (〒305-0841) 茨城県つくば市御幸が丘 45 番地
電 話 番 号： 029-858-6886
管理責任者： XXXXXXXXXX

8. 試験期間

- 1) 試験開始日： 2024 年 9 月 12 日
- 2) 実験開始日： 2024 年 9 月 20 日
- 3) 実験完了日： 2024 年 12 月 11 日
- 4) 試験完了日： 2025 年 1 月 31 日

9. 試験関係者

試験主任者： 試験部

試験担当者： 試験部

試験部

業務分担

試験全般の実施

業務分担

試験全般の補助

10. 最終報告書の作成及び承認

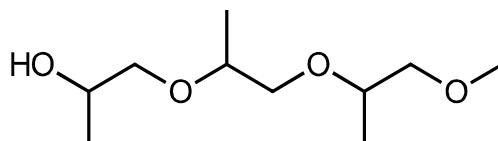
作成者

承認：2025 年 1 月 31 日

試験主任者

1 1. 被験物質

- 1) 名 称^{*1}: [2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノール
- 2) 略 称^{*1}: TPGME
- 3) C A S 番 号^{*1}: 25498-49-1
- 4) 分 子 式^{*1}: $C_{10}H_{22}O_4$
- 5) 分 子 量^{*1}: 206.28
- 6) 構 造 式^{*1}:



- 7) バ ッ チ 番 号^{*1}: XXXXXXXXXX
- 8) 純 度^{*1}: 98.9% (GC)

^{*1} 被験物質調査表、製造元XXXXXXXXXX資料による。

9) 被験物質の同定

株式会社化合物安全性研究所提供の IR スペクトルと当ラボ測定 of IR スペクトルが一致することを確認した。
(図-1、2 参照)

1 0) 安定性試験

保 管 条 件: 被験物質取扱い室の冷蔵庫内(冷蔵、遮光)

安 定 性: 実験開始前及び実験終了後に被験物質の IR スペクトルを測定した結果、変化は認められなかった。
(図-2、3 参照)

したがって、被験物質は保管条件下で安定であることが確認された。

なお、実験終了後の IR 測定については、株式会社化合物安全性研究所で実施する「[2-(2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールのラットにおける反復投与毒性・生殖発生毒性併合試験」の投与期間終了後に実施した。

1 2. 投与液の安定性確認

1) 試験条件

- (1) 安定性確認期間 : 調製日を 0 日として冷蔵 10 日間 + 室温 20~24 時間
 (2) 冷蔵設定温度 : $5 \pm 1^{\circ}\text{C}$

2) 安定性確認用溶液の調製

- (1) 2mg/mL 溶液
 被験物質 0.2g を採取し、水で 100mL に定容した。

- (2) 200mg/mL 溶液
 被験物質 10g を採取し、水で 50mL に定容した。

3) 安定性の確認

調製した溶液を低温インキュベーターに入れた。
 サーモレコーダーを用いて冷蔵期間中の温度を連続的に測定・記録した。
 冷蔵開始 10 日目に溶液を取り出し、実験室内にて室温保管した。

4) 標準溶液の調製

20mL 容メスフラスコに被験物質 0.2g を精秤し、アセトンで定容し、10 mg/mL 溶液を調製した。
 50mL 容メスフラスコに 10mg/mL 溶液 1mL をホールピペットで採取し、アセトンで定容して
 0.2mg/mL の標準溶液を調製した。

5) 試料溶液の分析

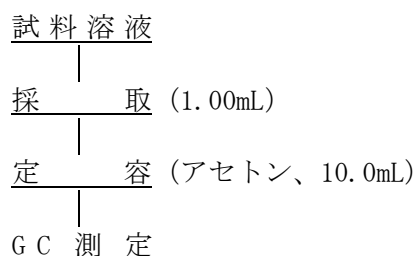
(1) GC 条件

機 器 : Agilent Technologies 6890N、オートインジェクタ 7683ALS	
データ処理装置 : OpenLAB CDS 2.7	
カ ラ ム : CP-Sil 8CB、0.25mm ϕ $\times$ 30m (膜厚 0.25 μm)	
カ ラ ム 温 度 : 150 $^{\circ}\text{C}$ --20 $^{\circ}\text{C}$ /分--200 $^{\circ}\text{C}$ (5 分) 合計 7.5 分	
カ ラ ム 流 量 : 26.675cm/sec (0.87mL/分)	
注 入 モ ー ド : スプリット	注 入 口 温 度 : 200 $^{\circ}\text{C}$
ス プ リ ッ ト 比 : 41.2:1	
キ ャ リ ア ガ ス : ヘリウム	メークアップガス : 窒素、10mL/分
水 素 流 量 : 30mL/分	空 気 流 量 : 400mL/分
検 出 器 : FID	検 出 器 温 度 : 230 $^{\circ}\text{C}$
注 入 量 : 1 μL	分 析 時 間 : 7.5 分

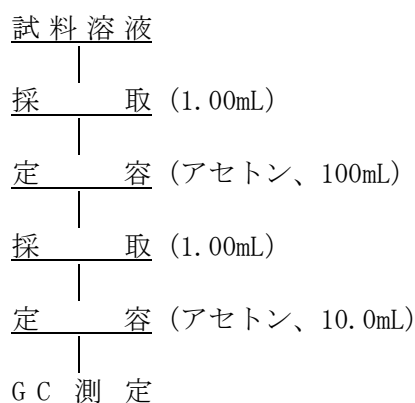
(2) 試料溶液の分析 (調製日、冷蔵期間終了後、冷蔵期間終了後＋室温約 23 時間後)

安定性確認用溶液について、下記フローシートに従って各濃度 2 点の試料を調製し、(1) の GC 条件で測定を行った。1 試料の分析は 2 回実施し、その平均値を計算に用いた。

① 2mg/mL 溶液



② 200mg/mL 溶液



(3) 試料溶液中の被験物質濃度の算出

下式に従い、被験物質濃度を有効数字 3 桁で算出した。
なお、面積値はクロマトグラム上で検出される 2 ピークの合算値を使用した。

$$\text{被験物質濃度 (mg/mL)} = \frac{\text{試料面積} \times \text{標準試料濃度 (mg/mL)} \times \text{希釈倍率}}{\text{標準試料面積}}$$

2 試料の平均値を有効数字 3 桁で算出し、試料溶液中の被験物質濃度とした。

(4) 含有率及び残存率の算出

下式に従い、含有率及び残存率を小数点 1 桁で算出した。

① 含有率

$$\text{含有率 (\%)} = \frac{\text{試料溶液中の被験物質濃度 (mg/mL) の平均値}}{\text{分析試料濃度 (mg/mL)}} \times 100$$

② 残存率

$$\text{残存率 (\%)} = \frac{\text{各測定時の試料溶液中の被験物質濃度 (mg/mL) の平均値}}{\text{調製日の試料溶液中の被験物質濃度 (mg/mL) の平均値}} \times 100$$

(5) 投与液の安定性確認

含有率が $100 \pm 10\%$ 以内且つ残存率が $100 \pm 10\%$ 以内であれば安定と判断した。

(6) 数値の取扱い

数値を平均する場合、平均は算術平均とした。

数値の丸め方は JIS Z 8401-2019 に従った。

1 3. 試験結果

投与液中における被験物質の安定性の測定結果は表-1 のとおりであった。

試験期間中の低温インキュベーター内の温度は $4.1 \sim 5.9^{\circ}\text{C}$ であり、 $5 \pm 1^{\circ}\text{C}$ の範囲内だった。

1 4. 試験成績の信頼性に影響を及ぼした可能性のある事項

特になし

1 5. 結果の考察及び結論

測定の結果より、被験物質の含有率は 200mg/mL 溶液 : $100.0\% \sim 103.5\%$ 、2mg/mL 溶液 : $97.0\% \sim 99.0\%$ で $100 \pm 10\%$ 以内、且つ残存率は 200mg/mL 溶液 : $100.0\% \sim 103.5\%$ 、2mg/mL 溶液 : 102.1% で $100 \pm 10\%$ 以内であったことから、被験物質は、投与液中で冷蔵 10 日間+室温約 23 時間後まで安定であることを確認した。

1 6. 試資料の保管

生データ、試験場所の試験計画書、試験場所の最終報告書、その他必要な資料及び被験物質は、「化学物質の審査及び製造等の規制に関する法律」(昭和48年法律第117号)第4条第1項もしくは第2項、第5条第2項、第3項もしくは第8項、第10条第3項又は第14条第2項の規定による通知を受けたあと10年間、当ラボ試資料保管室に保管する。

保管期間の過ぎた生データ、資料は、試験委託者と協議の上処置する。

17. 備考

1) 試験に使用した主な機器、装置

(1) ガスクロマトグラフ : Agilent Technologies 製

6890N (ガスクロマトグラフ)

7683ALS (オートインジェクタ)

OpenLAB CDS ver2.7 (データ処理)

(2) 赤外分光光度計 : 島津製作所製

IRAffinity-1S (IR)

LabSolutions IR ver1.20 (データ処理)

(3) 精密電子天秤 : メトラー・トレド製

XS205DU

2) 試験に使用した試薬等

アセトン(アセトン 5000、残留農薬・PCB 試験用) : 富士フイルム和光純薬製

水(精製水、日本薬局方) : 日医工株式会社製

臭化カリウム (IR 吸収測定用) : 富士フイルム和光純薬製

表-1 投与液の安定性の測定結果記録表

○分析試料濃度 : 2mg/mL

標準試料濃度 (mg/mL) : 0.200 希釈倍率 : 10

経過日数	No.	試料面積	標準試料面積	被験物質濃度 (mg/mL)	平均 (mg/mL)	含有率 (%)	残存率 (%)
調製日	1	32.20	33.04	1.95	1.94	97.0	—
	2	31.98	33.04	1.94			
10	1	28.36	28.44	1.99	1.98	99.0	102.1
	2	28.01	28.44	1.97			
11*	1	29.28	29.38	1.99	1.98	99.0	102.1
	2	29.09	29.38	1.98			

* : 冷蔵 10 日間+室温約 23 時間経過 (以下同様)

○分析試料濃度 : 200mg/mL

標準試料濃度 (mg/mL) : 0.200 希釈倍率 : 1000

経過日数	No.	試料面積	標準試料面積	被験物質濃度 (mg/mL)	平均 (mg/mL)	含有率 (%)	残存率 (%)
調製日	1	33.14	33.04	201	200	100.0	—
	2	32.94	33.04	199			
10	1	29.74	28.44	209	207	103.5	103.5
	2	29.17	28.44	205			
11*	1	29.06	29.38	198	200	100.0	100.0
	2	29.66	29.38	202			

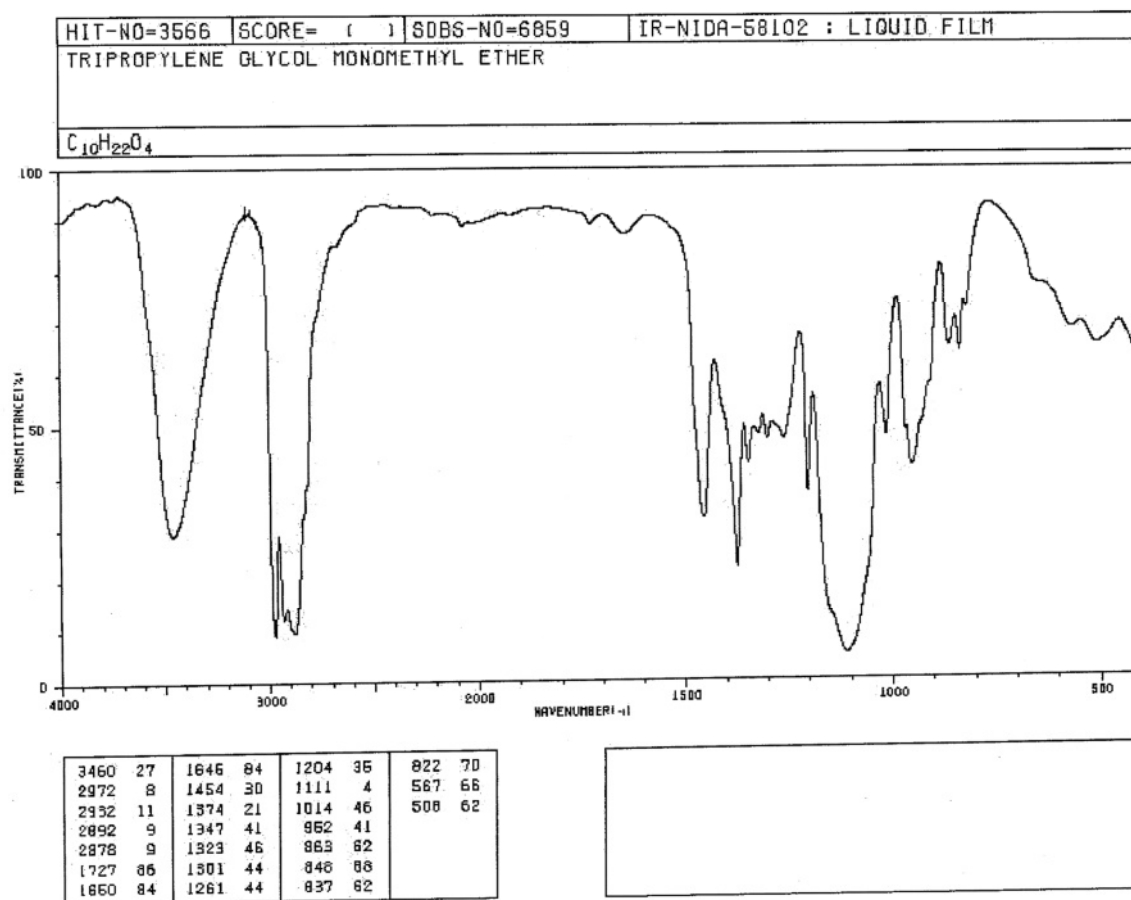


図-1 試験施設提供 IR スペクトル

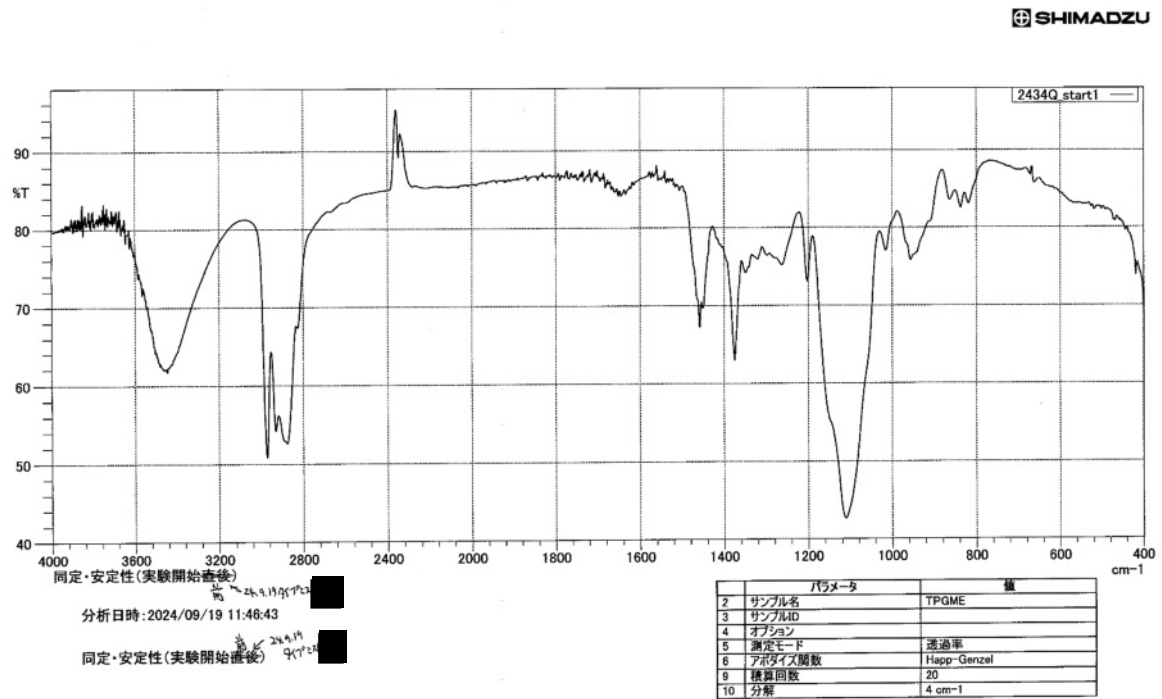


図-2 被験物質の同定用及び安定性確認(実験開始前) IR スペクトル

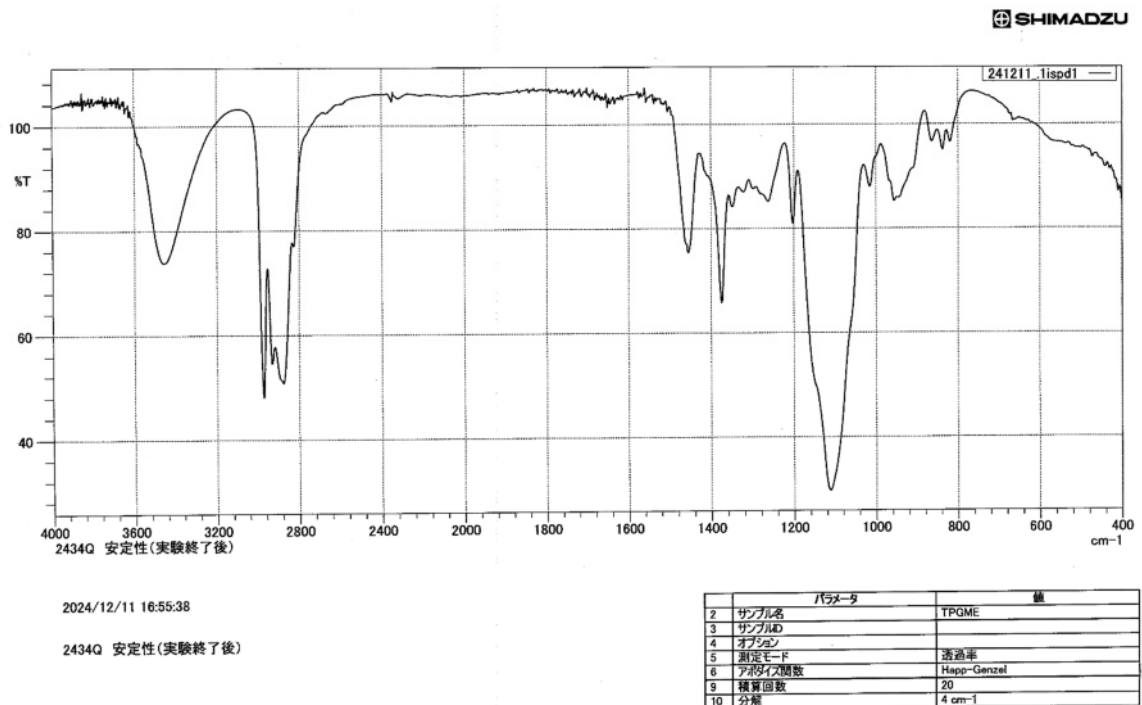


図-3 被験物質の安定性確認(実験終了後、保管条件下) IR スペクトル

データファイル:	2024-09-20 11-17-33+09-00-01.dx	プロジェクト名:	242023RRR
シーケンス名:	20240920_1	オペレータ:	SYSTEM (SYSTEM)
サンプル名:	solvent blank(Acetone)	注入日時:	2024-09-20 11:19:54+09:00
機器:	6890GC	ロケーション:	1
注入量:	1.000 μ L	タイプ:	ブランク
測定メソッド:	TPGME.amx	サンプルアmount:	0.00
解析メソッド:	TPGME.pmx		

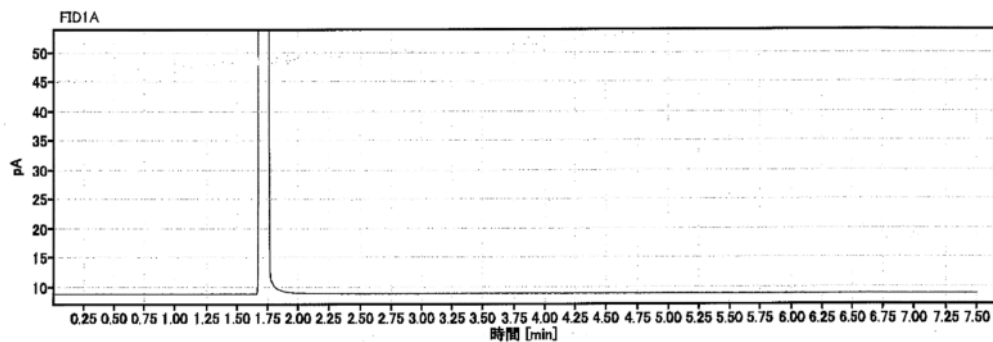
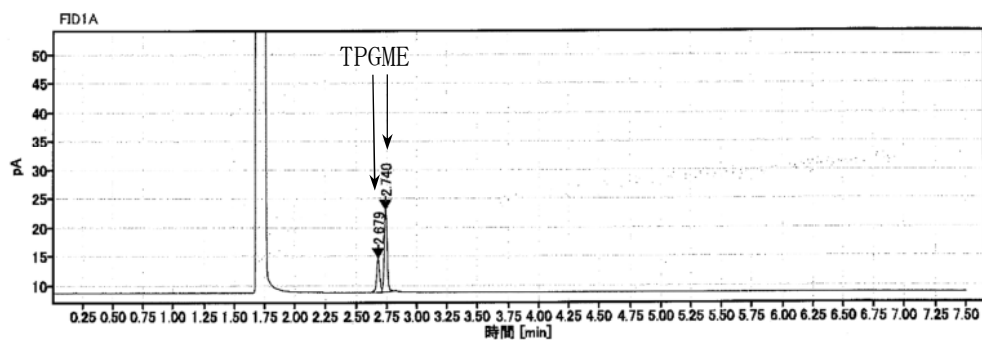


図-4-1 GC 測定チャート 代表例 (ブランク)

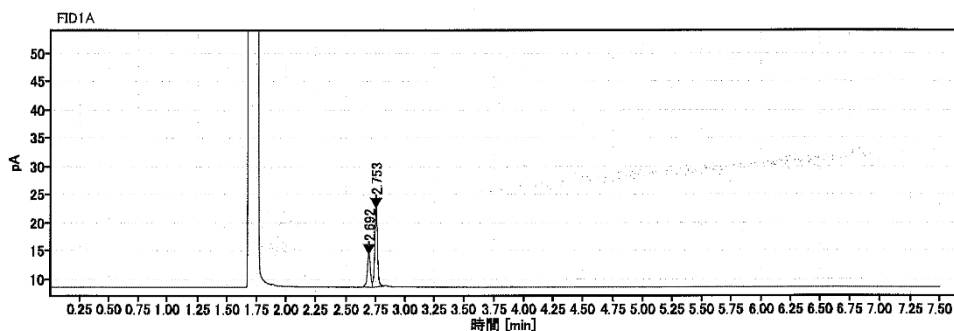
データファイル:	2024-09-20 11-27-25+09-00-02-r001.dx	プロジェクト名:	242023RRR
シーケンス名:	20240920_1	オペレータ:	SYSTEM (SYSTEM)
サンプル名:	標準溶液 0.2mg/mL	注入日時:	2024-09-20 11:32:21+09:00
機器:	6890GC	ロケーション:	2
注入量:	1.000 μ L	タイプ:	サンプル
測定メソッド:	TPGME.amx	サンプルアmount:	0.00
解析メソッド:	TPGME.pmx		



シグナル: FID1A						
RT [min]	タイプ	ピーク幅 [min]	面積	高さ	面積%	化合物名
2.679	MM m	0.08	10.17	5.82	30.82	
2.740	VM m	0.10	22.82	14.08	69.18	
合計			32.99			

図-4-2 GC 測定チャート 代表例 (標準溶液)

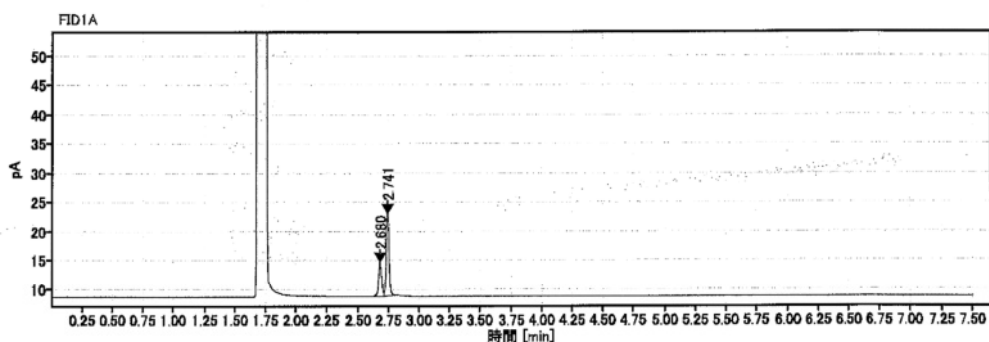
データファイル:	2024-09-20 12-42-29+09-00-05-r001.dx	プロジェクト名:	242023RR
シーケンス名:	20240920_1	オペレータ:	SYSTEM (SYSTEM)
サンプル名:	安定性-0日 No.1 2mg/mL	注入日時:	2024-09-20 12:47:26+09:00
機器:	6890GC	ロケーション:	5
注入量:	1.000 μ L	タイプ:	サンプル
測定メソッド:	TPGME.amx	サンプルアmount:	0.00
解析メソッド:	TPGME.pmx		



シグナル: FID1A						
RT [min]	タイプ	ピーク幅 [min]	面積	高さ	面積%	化合物名
2.692	MM m	0.08	10.07	5.77	31.03	
2.753	VM m	0.10	22.39	13.91	68.97	
合計			32.46			

図-4-3 GC 測定チャート 代表例 (試料溶液、2mg/mL、調製日)

データファイル:	2024-09-20 11-52-22+09-00-03-r001.dx	プロジェクト名:	242023RR
シーケンス名:	20240920_1	オペレータ:	SYSTEM (SYSTEM)
サンプル名:	安定性-0日 No.1 200mg/mL	注入日時:	2024-09-20 11:57:22+09:00
機器:	6890GC	ロケーション:	3
注入量:	1.000 μ L	タイプ:	サンプル
測定メソッド:	TPGME.amx	サンプルアmount:	0.00
解析メソッド:	TPGME.pmx		

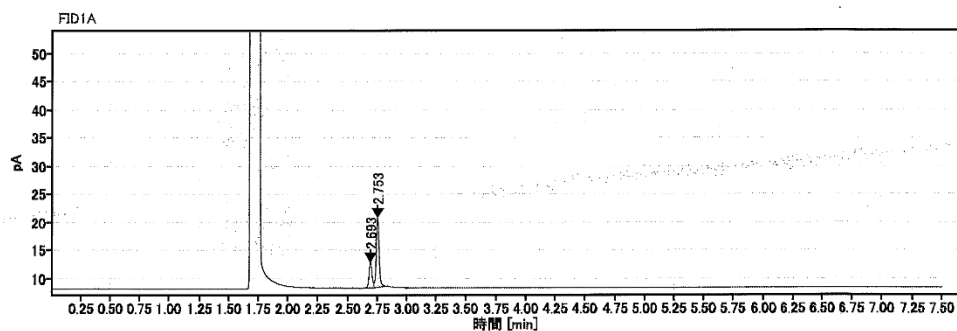


シグナル: FID1A						
RT [min]	タイプ	ピーク幅 [min]	面積	高さ	面積%	化合物名
2.680	MM m	0.08	10.23	5.87	30.98	
2.741	VM m	0.10	22.79	14.12	69.02	
合計			33.02			

図-4-4 GC 測定チャート 代表例 (試料溶液、200mg/mL、調製日)

データファイル: 2024-09-30 15-53-29+09-00-05-r001.dx
 シーケンス名: 20240930_1
 サンプル名: 安定性-10日 No.1 2mg/mL
 機器: 6890GC
 注入量: 1.000 μ L
 測定メソッド: TPGME.amx
 解析メソッド: TPGME.pmx

プロジェクト名: 242023RR
 オペレータ: SYSTEM (SYSTEM)
 注入日時: 2024-09-30 15:58:29+09:00
 ロケーション: 5
 タイプ: サンプル
 サンプルアmount: 0.00

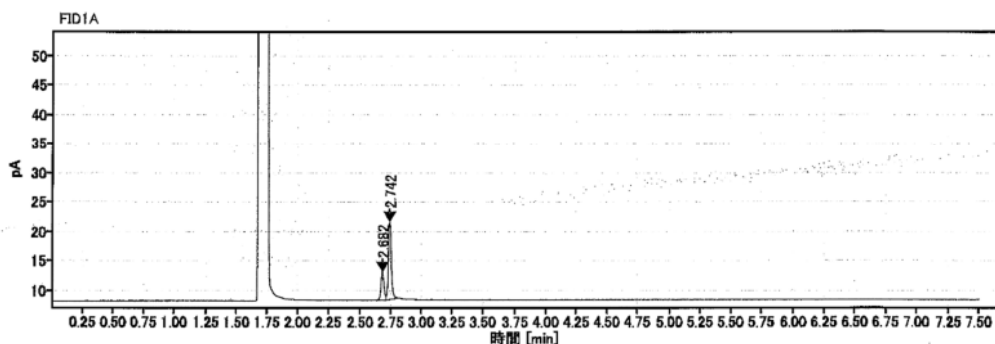


RT [min]	タイプ	ピーク幅 [min]	面積	高さ	面積%	化合物名
2.693	MM m	0.08	7.81	4.54	27.60	
2.753	VM m	0.11	20.48	12.35	72.40	
合計			28.29			

図-4-5 GC 測定チャート 代表例 (試料溶液、2mg/mL、10 日)

データファイル: 2024-09-30 15-03-33+09-00-03-r001.dx
 シーケンス名: 20240930_1
 サンプル名: 安定性-10日 No.1 200mg/mL
 機器: 6890GC
 注入量: 1.000 μ L
 測定メソッド: TPGME.amx
 解析メソッド: TPGME.pmx

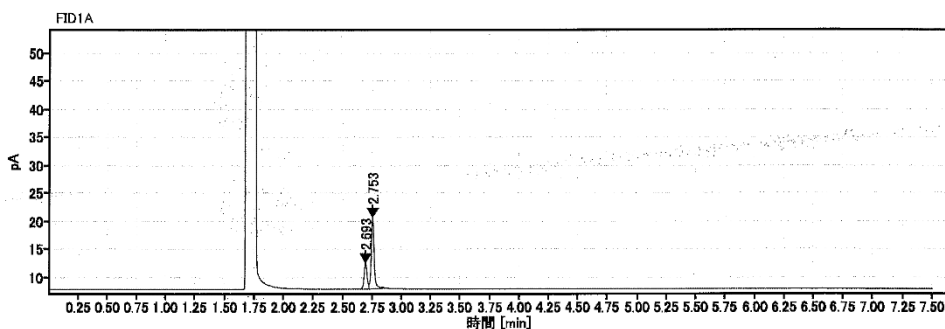
プロジェクト名: 242023RR
 オペレータ: SYSTEM (SYSTEM)
 注入日時: 2024-09-30 15:08:29+09:00
 ロケーション: 3
 タイプ: サンプル
 サンプルアmount: 0.00



RT [min]	タイプ	ピーク幅 [min]	面積	高さ	面積%	化合物名
2.682	MM m	0.09	8.07	4.75	27.31	
2.742	VM m	0.10	21.49	13.09	72.69	
合計			29.57			

図-4-6 GC 測定チャート 代表例 (試料溶液、200mg/mL、10 日)

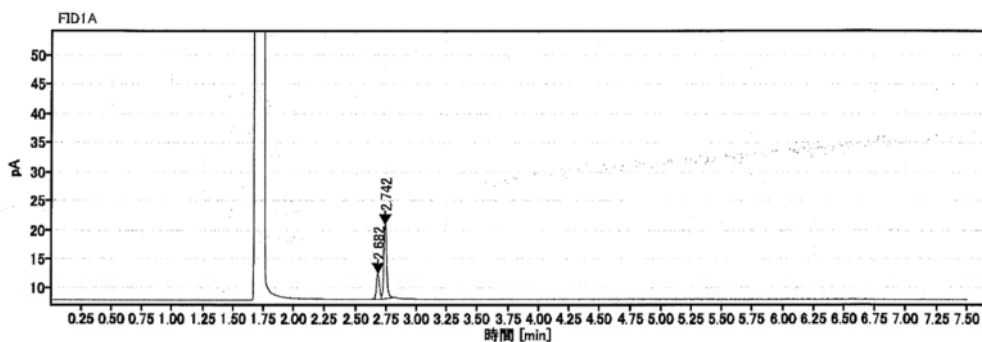
データファイル: 2024-10-01 12-11-53+09-00-05-r001.dx
 シーケンス名: 20241001_1 プロジェクト名: 242023RR
 サンプル名: 安定性-10日+23時間 No.1 2mg/mL オペレータ: SYSTEM (SYSTEM)
 機器: 6890GC 注入日時: 2024-10-01 12:16:50+09:00
 注入量: 1.000 μ L ロケーション: 5
 測定メソッド: TPGME.amx タイプ: サンプル
 解析メソッド: TPGME.pmx サンプルアmount: 0.00



シグナル: FID1A						
RT [min]	タイプ	ピーク幅 [min]	面積	高さ	面積%	化合物名
2.693	MM m	0.08	7.87	4.58	27.00	
2.753	VM m	0.14	21.29	12.67	73.00	
合計			29.16			

図-4-7 GC 測定チャート 代表例 (試料溶液、2mg/mL、10 日+23 時間)

データファイル: 2024-10-01 11-21-57+09-00-03-r001.dx
 シーケンス名: 20241001_1 プロジェクト名: 242023RR
 サンプル名: 安定性-10日+23時間 No.1 200mg/mL オペレータ: SYSTEM (SYSTEM)
 機器: 6890GC 注入日時: 2024-10-01 11:26:54+09:00
 注入量: 1.000 μ L ロケーション: 3
 測定メソッド: TPGME.amx タイプ: サンプル
 解析メソッド: TPGME.pmx サンプルアmount: 0.00



シグナル: FID1A						
RT [min]	タイプ	ピーク幅 [min]	面積	高さ	面積%	化合物名
2.682	MM m	0.08	7.81	4.57	27.10	
2.742	VM m	0.10	21.02	12.84	72.90	
合計			28.84			

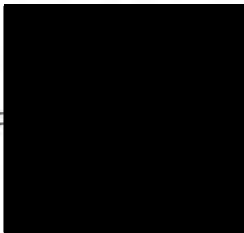
図-4-8 GC 測定チャート 代表例 (試料溶液、200mg/mL、10 日+23 時間)

最 終 報 告 書

投与液中における [2- (2-メトキシメチルエトキシ) メチルエトキシ] プロパノール
の濃度確認試験

(試験番号 : 2435Q)

2025 年 1 月 31 日

保土谷  株式会社

陳 述 書

保土谷コントラクトラボ株式会社

試験委託者： 厚生労働省

試験番号： 2435Q

試験表題： 投与液中における〔2-（2-メトキシメチルエトキシ）メチルエトキシ〕
プロパノールの濃度確認試験

上記試験は、『新規化学物質等に係る試験を実施する試験施設に関する基準について』（薬食発 0331 第 8 号、平成 23・03・29 製局第 6 号、環企発第 110331010 号：平成 23 年 3 月 31 日）に基づく『新規化学物質等に係る試験を実施する試験施設に関する基準』を適用して実施されたものです。

2025 年 1 月 31 日

試験主任者



<濃度確認試験>

書式 QAP-026

信頼性保証書

2025 年 / 月 31 日

保土谷コントラクトラボ株式会社 GLP信頼性保証室

信頼性保証業務担当者

信頼性保証業務責任者

試験委託者：厚生労働省

試験番号：2435Q

試験表題：投与液中における〔2-（2-メトキシメチルエトキシ）メチルエトキシ〕プロパノールの濃度確認試験

本最終報告書は、試験の方法が正しく記載されており、内容が試験計画書及び標準操作手順書に従い、かつ、試験結果は生データを正しく反映していることを保証する。

監査・査察実施日及び報告日

監査・査察項目	監査・査察実施日	監査・査察結果報告日	
		運営管理者	試験責任者
1. 試験計画の監査	2024年10月 4日	2024年10月 4日	2024年10月 4日
(1) 試験計画書の監査			
(2) 試験計画変更書の監査	年 月 日	年 月 日	年 月 日
2. 試験実施施設の査察	2024年10月 7日	2024年10月 7日	2024年10月 7日
3. 試験の実施に関する監査・査察	2024年10月 9日	2024年10月 9日	2024年10月 9日
	2024年10月17日	2024年10月17日	2024年10月17日
	2024年10月23日	2024年10月23日	2024年10月23日
	2024年10月31日	2024年10月31日	2024年10月31日
	2024年11月 7日	2024年11月 7日	2024年11月 7日
	2024年11月29日	2024年11月29日	2024年11月29日
(2) 安定性試験	年 月 日	年 月 日	年 月 日
4. 最終報告書の監査	2025年 1月31日	2025年 1月31日	2025年 1月31日

要 約

1. 試験番号、試験表題

2435Q、投与液中における〔2－（2－メトキシメチルエトキシ）メチルエトキシ〕プロパノールの濃度確認試験

2. 試験目的

株式会社化合物安全性研究所で実施する「〔2－（2－メトキシメチルエトキシ）メチルエトキシ〕プロパノールのラットにおける反復投与毒性・生殖発生毒性併合試験」における〔2－（2－メトキシメチルエトキシ）メチルエトキシ〕プロパノールの投与液の濃度を確認する。また、構造異性体含量について確認する。

3. 試験方法

GC 法により試料溶液中の被験物質濃度を測定した。
GC 及び GC-MS 測定により、構造異性体含量を測定した。

4. GLP の適用

『新規化学物質等に係る試験を実施する試験施設に関する基準について』（薬食発 0331 第 8 号、平成 23・03・29 製局第 6 号、環保企発第 110331010 号：平成 23 年 3 月 31 日）に基づく『新規化学物質等に係る試験を実施する試験施設に関する基準』を適用して実施した。

5. 試験結果

1) 投与液中の被験物質濃度

	試料名	平均濃度 (mg/mL)
初回調製	20mg/mL調製液	21.2
	60mg/mL調製液	64.5
	200mg/mL調製液	218
最終回調製	20mg/mL調製液	20.8
	60mg/mL調製液	61.9
	200mg/mL調製液	202

2) 被験物質中における構造異性体含有量

0.6、0.6、6.9*、9.4*、7.0*、7.2*、2.6、32.0、4.7、28.6、0.4 及び 0.2% 計 12 点

* 1－〔2－（2－メトキシ－1－メチルエトキシ）－1－メチルエトキシ〕－2－プロパノール 計 30.5%

その他は構造を特定できず。

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表 及 び 図 の 内 容

表- 1 投与液中の被験物質濃度測定結果記録表

表- 2 構造異性体含量分析結果記録表

図- 1 試験施設提供 IR スペクトル

図- 2 被験物質の同定用 IR スペクトル

図- 3 GC 測定チャート (代表例)

図- 4 GC-MS 測定チャート

1. 試験番号、試験表題

2435Q、投与液中における [2 - (2 - メトキシメチルエトキシ) メチルエトキシ] プロパノールの濃度確認試験

2. 試験目的

株式会社化合物安全性研究所で実施する「[2 - (2 - メトキシメチルエトキシ) メチルエトキシ] プロパノールのラットにおける反復投与毒性・生殖発生毒性併合試験」における [2 - (2 - メトキシメチルエトキシ) メチルエトキシ] プロパノールの投与液の濃度を確認する。また、構造異性体含量について確認する。

3. 試験方法

GC 法により試料溶液中の被験物質濃度を測定した。
GC 及び GC-MS 測定により、構造異性体含量を測定した。

4. GLP の適用

『新規化学物質等に係る試験を実施する試験施設に関する基準について』(薬食発 0331 第 8 号、平成 23・03・29 製局第 6 号、環企発第 110331010 号:平成 23 年 3 月 31 日)に基づく『新規化学物質等に係る試験を実施する試験施設に関する基準』を適用して実施した。

5. 試験委託者

名 称 : 厚生労働省
所 在 地 : (〒100-8916) 東京都千代田区霞が関 1-2-2
電 話 番 号 : 03-5253-1111

6. 試験施設

名 称 : 株式会社化合物安全性研究所
所 在 地 : (〒004-0839) 北海道札幌市清田区真栄 363 番 24
電 話 番 号 : 011-885-5031

7. 試験場所

名 称 : 保土谷コントラクトラボ株式会社
所 在 地 : (〒305-0841) 茨城県つくば市御幸が丘 45 番地
電 話 番 号 : 029-858-6886
管 理 責 任 者 : XXXXXXXXXX

8. 試験期間

- 1) 試験開始日： 2024 年 10 月 4 日
- 2) 実験開始日： 2024 年 10 月 9 日
- 3) 実験完了日： 2024 年 11 月 7 日
- 4) 試験完了日： 2025 年 1 月 31 日

9. 試験関係者

試験主任者： 試験部

試験担当者： 試験部

試験部

[Redacted]

[Redacted]

業務分担

試験全般の実施

[Redacted]

業務分担

試験全般の補助

10. 最終報告書の作成及び承認

作成者

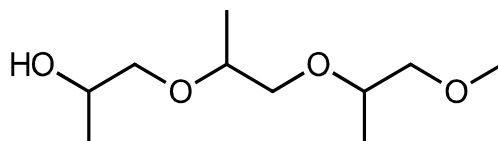
承認：2025 年 1 月 31 日

試験主任者

[Redacted]

1 1. 被験物質

- 1) 名 称^{*1} : [2 - (2 - メトキシメチルエトキシ) メチルエトキシ] プロパノール
- 2) 略 称^{*1} : TPGME
- 3) C A S 番 号^{*1} : 25498-49-1
- 4) 分 子 式^{*1} : $C_{10}H_{22}O_4$
- 5) 分 子 量^{*1} : 206.28
- 6) 構 造 式^{*1} :



- 7) バ ッ チ 番 号^{*1} : XXXXXXXXXX
- 8) 純 度^{*1} : 98.9% (GC)

^{*1} 被験物質調査表、製造元XXXXXXXXXX資料による。

9) 被験物質の同定

株式会社化合物安全性研究所提供の IR スペクトルと当ラボ測定 of IR スペクトルが一致することを確認した。
(図-1、2 参照)

1 0) 安定性試験

保 管 条 件 : 被験物質取扱い室の冷蔵庫内 (冷蔵、遮光)

安 定 性 : 同時期に同一被験物質を用いて実施する試験 (試験番号 : 2434Q) において確認を行うため本試験では省略した。

1 2. 投与液の濃度測定

株式会社化合物安全性研究所で実施の「[2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールのラットにおける反復投与毒性・生殖発生毒性併合試験」における[2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールの投与液（初回調製：調製日 2024 年 10 月 7 日及び最終回調製：調製日 2024 年 11 月 5 日）について、濃度測定を実施した。

1) 標準溶液の調製

20mL 容メスフラスコに被験物質 0.2g を精秤し、アセトンで定容して 10mg/mL 溶液を調製した。
50mL 容メスフラスコに 10mg/mL 溶液 1mL をホールピペットで採取し、アセトンで定容して 0.2mg/mL の標準溶液を調製した。

2) 投与液の分析

(1) GC 条件

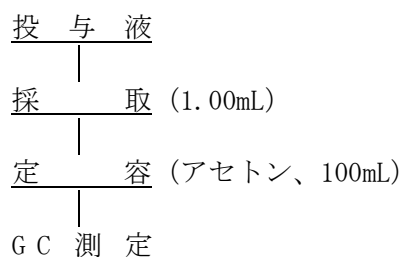
機 器	Agilent Technologies 6890N、オートインジェクタ 7683ALS		
データ処理装置	OpenLAB CDS 2.7		
カ ラ ム	CP-Sil 8CB、0.25mmφ×30m (膜厚 0.25μm)		
カ ラ ム 温 度	150℃--20℃/分--200℃(5分) 合計 7.5 分		
カ ラ ム 流 量	26.675cm/sec (0.87mL/分)		
注 入 モ ー ド	スプリット	注 入 口 温 度	200℃
ス プ リ ッ ト 比	41.2:1		
キ ャ リ ア ガ ス	ヘリウム	メークアップガス	窒素、10mL/分
水 素 流 量	30mL/分	空 気 流 量	400mL/分
検 出 器	FID	検 出 器 温 度	230℃
注 入 量	1μL	分 析 時 間	7.5 分

(2) 投与液の分析

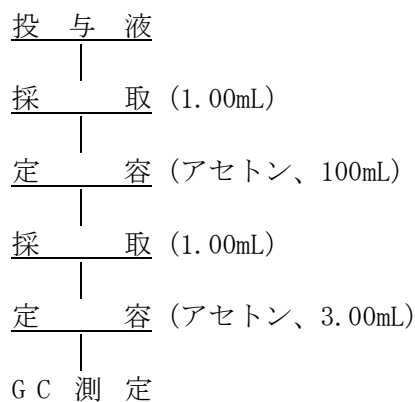
株式会社化合物安全性研究所より送付された「[2-(2-メトキシメチルエトキシ)メチルエトキシ]プロパノールのラットにおける反復投与毒性・生殖発生毒性併合試験」の投与液について、次に示すフローシートに従って各濃度 2 点の試料を調製し、(1) の GC 条件で測定を行った。

1 試料の分析は 2 回実施し、その平均値を計算に用いた。

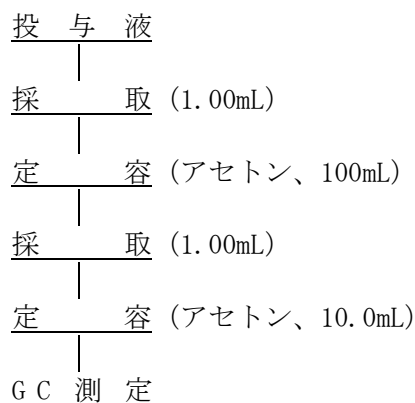
① 20mg/mL 溶液



② 60mg/mL 溶液



③ 200mg/mL 溶液



(3) 投与液中の被験物質濃度の算出

下式に従い、被験物質濃度を有効数字 3 桁で算出した。
 なお、面積値はクロマトグラム上で検出される 2 ピークの合算値を使用した。

$$\text{被験物質濃度 (mg/mL)} = \frac{\text{試料面積} \times \text{標準試料濃度 (mg/mL)} \times \text{希釈倍率}}{\text{標準試料面積}}$$

2 試料の平均値を有効数字 3 桁で算出し、投与液中の被験物質濃度とした。

(4) 数値の取扱い

数値を平均する場合、平均は算術平均とした。
 数値の丸め方は JIS Z 8401-2019 に従った。

1 3. 構造異性体含量分析

1) 試料溶液の調製

1 2. 1) で調製した標準溶液を試料溶液として用いた。

2) GC 測定

(1) GC 条件

機 器 : Agilent Technologies 6890N、オートインジェクタ 7683ALS	
データ処理装置 : OpenLAB CDS 2.7	
カ ラ ム : DB-210、0.25mm ϕ $\times$ 30m (膜厚 0.25 μ m)	
カ ラ ム 温 度 : 80 $^{\circ}$ C--4 $^{\circ}$ C/分--120 $^{\circ}$ C (5 分) 合計 15 分	
カ ラ ム 流 量 : 30cm/sec (1.1mL/分)	
注 入 モ ー ド : スプリット	注 入 口 温 度 : 200 $^{\circ}$ C
ス プ リ ッ ト 比 : 41.2:1	
キ ャ リ ア ガ ス : ヘリウム	メークアップガス : 窒素、10mL/分
水 素 流 量 : 30mL/分	空 気 流 量 : 400mL/分
検 出 器 : FID	検 出 器 温 度 : 230 $^{\circ}$ C
注 入 量 : 1 μ L	分 析 時 間 : 15 分

(2) 測定

アセトンを (1) の条件で 1 回分析し、バックグラウンドピークの確認を行った。
その後、1 3. 1) の試料溶液を GC に 2 回注入し、分析した。

(3) 面積百分率の算出

得られたクロマトグラムより、溶媒ピークを除いた全ピーク面積に対する各ピーク的面積百分率を算出した。
面積百分率の値は小数点第二位を四捨五入し、小数点第一位で表記した。
得られた 2 点の平均値を算出した。

3) GC-MS 分析

(1) GC-MS 条件

機	器 : 島津 GCMS-QP2020NX
データ処理装置 : GCMSsolutions	

【GC 設定条件】

カラム : DB-210、0.25mm ϕ $\times$ 30m (膜厚 0.25 μ m)	
カラム温度 : 80°C $\rightarrow$ 4°C/分 $\rightarrow$ 120°C (5 分) 合計 15 分	
カラム流量 : 38.6cm/sec (1.1mL/分)	
注入モード : スプリット	注入口温度 : 200°C
スプリット比 : 41.2:1	
キャリアガス : ヘリウム	
注入量 : 1 μ L	分析時間 : 15 分

【MS 設定条件】

イオン源温度 : 230°C	インターフェイス温度 : 200°C
イオン化法 : EI 70eV	走査質量範囲 : m/z 35 $\sim$ 500
測定モード : SCAN	溶媒カット : 2 分

(2) 測定

1 3. 1) の試料溶液を GC-MS に 1 回注入し、分析した。
各ピークのマススペクトルを測定し、解析を実施した。

4) 構造異性体含量

各ピークの面積百分率及びマススペクトルの解析結果より、被験物質中の構造異性体含量を求めた。

5) 数値の取扱い

数値を平均する場合、平均は算術平均とした。
数値の丸め方は JIS Z 8401-2019 に従った。

1 4. 試験結果

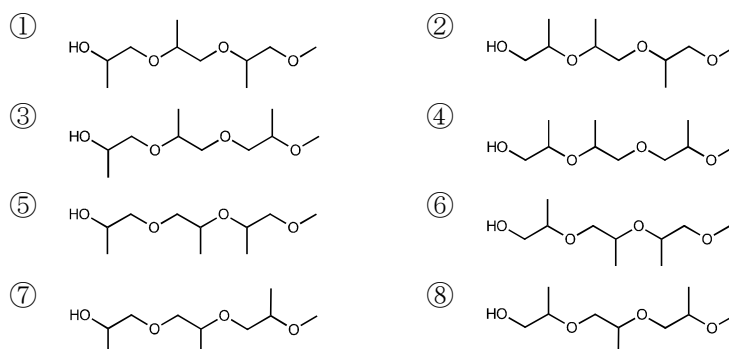
1) 投与液中における被験物質濃度の測定結果

投与液中における被験物質濃度の測定結果は表-1のとおりであった。

2) 被験物質中における構造異性体含量の測定結果

被験物質中における構造異性体含量の測定結果は表-2のとおりであった。

本被験物質は異性体の混合物であり、構造異性体としては下記の8種の構造が存在する。また、分子内に3個の不斉炭素を有することから、各構造に立体異性体も存在する。



GC-MS測定において、12本のピークについてマススペクトルを確認した。マススペクトルを比較すると、 m/z 59、73、103、117、161のピークの出方により、4パターンのマススペクトルに分類された。

	検出 m/z	ピーク No.
パターン 1	59、73*、117、161	1、2
パターン 2	59*、73、103、117、161	3、4、5、6
パターン 3	59、73*、117	7、9
パターン 4	59*、73、103	8、10、11、12

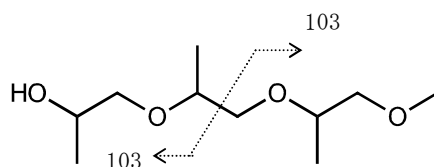
*はベースピーク

パターン2については、ライブラリ検索 [NIST/EPA/NIH Mass Spectral Library (2020年版)] の結果、1 - [2 - (2 - メトキシ - 1 - メチルエトキシ) - 1 - メチルエトキシ] - 2 - プロパノールのスペクトルと一致したため、構造①であると同定した。

その他のピークについては、 m/z 103をフラグメントとして生じる構造は①、②、③及び④であり（下図参照）、パターン4に該当するピークについては同定済みの①を除く構造②、③及び④のいずれかに該当するものと考えられたが、特定はできなかった。

パターン1及び3については m/z 103が検出されないことから、⑤、⑥、⑦及び⑧いずれかに該当するものと考えられたが、特定はできなかった。

例) ① エーテルの α -炭素の開裂



1 5. 試験成績の信頼性に影響を及ぼした可能性のある事項

特になし

1 6. 結果の考察及び結論

投与液中の被験物質濃度は 20mg/mL 調製液が 21.2 及び 20.8mg/mL、60mg/mL 調製液が 64.5 及び 61.9mg/mL、200mg/mL 調製液が 218 及び 202mg/mL であった。

被験物質中における構造異性体は GC 上で 12 本検出し、含量は検出順に 0.6、0.6、6.9、9.4、7.0、7.2、2.6、32.0、4.7、28.6、0.4 及び 0.2% であった。

GC-MS 測定の結果、ライブラリ検索によりピーク 3、4、5 及び 6 については 1- [2- (2-メトキシ-1-メチルエトキシ) -1-メチルエトキシ] -2-プロパノールと同定した。その他ピークについては特定には至らなかった。

1 7. 試資料の保管

生データ、試験場所の試験計画書、試験場所の最終報告書、その他必要な資料及び被験物質は、「化学物質の審査及び製造等の規制に関する法律」（昭和48年法律第117号）第4条第1項もしくは第2項、第5条第2項、第3項もしくは第8項、第10条第3項又は第14条第2項の規定による通知を受けたあと10年間、当ラボ試資料保管室に保管する。

保管期間の過ぎた生データ、資料は、試験委託者と協議の上処置する。

1 8. 備考

1) 試験に使用した主な機器、装置

- (1) ガスクロマトグラフ : Agilent Technologies 製
 - 6890N (ガスクロマトグラフ)
 - 7683ALS (オートインジェクタ)
 - OpenLAB CDS ver2.7 (データ処理)
- (2) ガスクロマトグラフ質量分析計 : 島津製作所製
 - GCMS-QP2020NX (質量分析計)
 - GC-2030 (ガスクロマトグラフ)
 - AOC-20i (オートインジェクタ)
 - LabSolutions GCMS ver5.101 (データ処理)
- (3) 赤外分光光度計 : 島津製作所製
 - IRAffinity-1S (IR)
 - LabSolutions IR ver1.20 (データ処理)
- (4) 精密電子天秤 : メトラー・トレド製
 - XS205DU

2) 試験に使用した試薬等

アセトン[アセトン 5000] (残留農薬・PCB 試験用)	: 富士フイルム和光純薬製
臭化カリウム (IR 吸収測定用)	: 富士フイルム和光純薬製

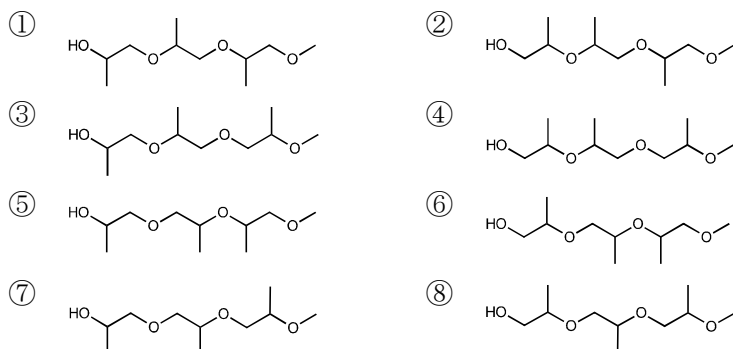
表-1 投与液中の被験物質濃度測定結果記録表

	試料名	No.	試料面積	標準試料面積	標準試料濃度 (mg/mL)	希釈倍率	被験物質濃度 (mg/mL)	平均 (mg/mL)
初回調製 分析日 2024/10/9	20mg/mL調製液	1	28.68	26.83	0.200	100	21.4	21.2
		2	28.20				21.0	
	60mg/mL調製液	1	28.96			300	64.8	64.5
		2	28.71				64.2	
	200mg/mL調製液	1	29.20			1000	218	218
		2	29.24				218	
最終回調製 分析日 2024/11/7	20mg/mL調製液	1	31.74	30.80	0.200	100	20.6	20.8
		2	32.28				21.0	
	60mg/mL調製液	1	32.05			300	62.4	61.9
		2	31.52				61.4	
	200mg/mL調製液	1	31.12			1000	202	202
		2	31.09				202	

表-2 構造異性体含量分析結果記録表

Peak No.	R. T. (min)		試料面積	面積百分率 (%)	平均面積百分率 (%)	構造解析結果
1	10.670	1	0.12	0.5	0.6	⑤～⑧いずれか
		2	0.15	0.6		
2	10.784	1	0.10	0.4	0.6	⑤～⑧いずれか
		2	0.17	0.7		
3	11.003	1	1.65	7.0	6.9	① (4 本計 30.5%)
		2	1.70	6.8		
4	11.132	1	2.26	9.5	9.4	
		2	2.28	9.2		
5	11.393	1	1.67	7.0	7.0	
		2	1.71	6.9		
6	11.537	1	1.74	7.3	7.2	
		2	1.77	7.1		
7	11.774	1	0.35	1.5	2.6	⑤～⑧いずれか
		2	0.89	3.6		
8	11.837	1	7.86	33.1	32.0	②～④いずれか
		2	7.66	30.9		
9	12.025	1	1.12	4.7	4.7	⑤～⑧いずれか
		2	1.17	4.7		
10	12.240	1	6.73	28.3	28.6	②～④いずれか
		2	7.14	28.8		
11	12.645	1	0.08	0.3	0.4	②～④いずれか
		2	0.13	0.5		
12	12.756	1	0.06	0.3	0.2	②～④いずれか
		2	0.05	0.2		
合計		1	23.74			
		2	24.82			

【構造】



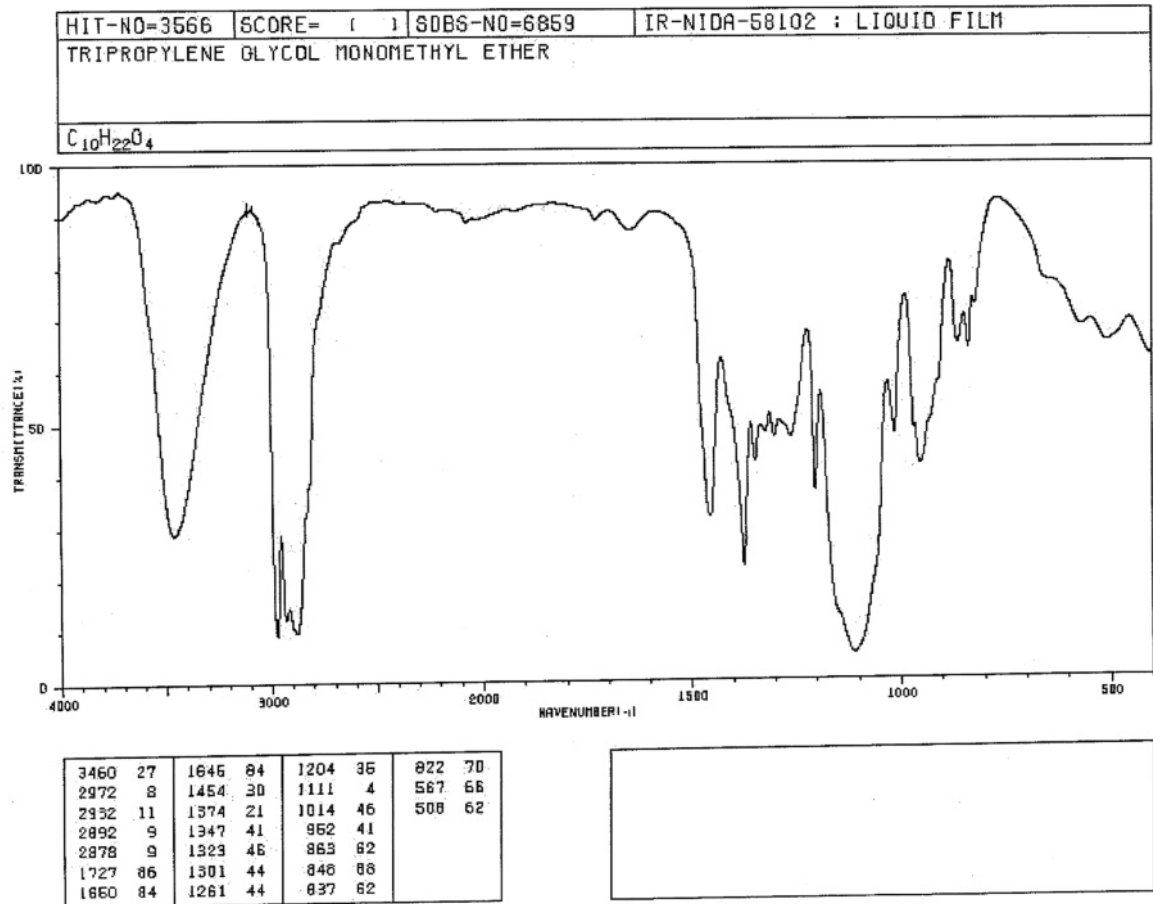


図-1 試験施設提供 IR スペクトル

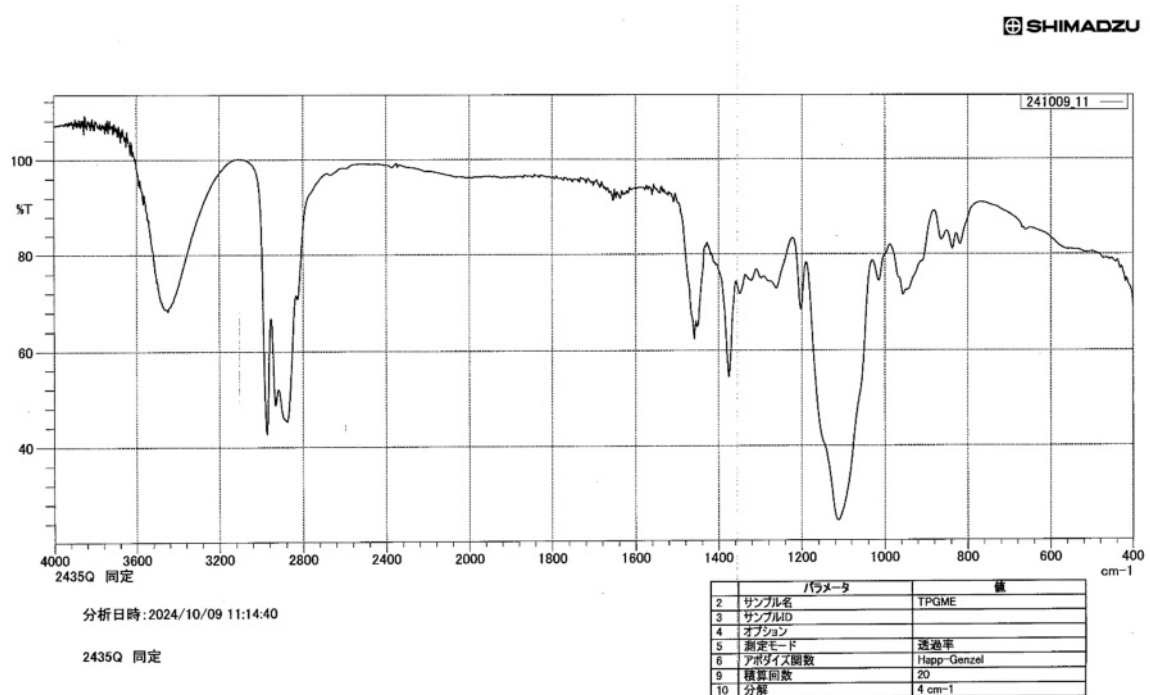


図-2 被験物質の同定用 IR スペクトル

データファイル:	2024-10-09 14-36-35+09-00-01.dx	プロジェクト名:	242023RR
シーケンス名:	20241009_1	オペレータ:	SYSTEM (SYSTEM)
サンプル名:	solvent blank(Acetone)	注入日時:	2024-10-09 14:38:58+09:00
機器:	6890GC	ロケーション:	1
注入量:	1.000 μ L	タイプ:	ブランク
測定メソッド:	TPGME.amx	サンプルアmount:	0.00
解析メソッド:	TPGME.pmx		

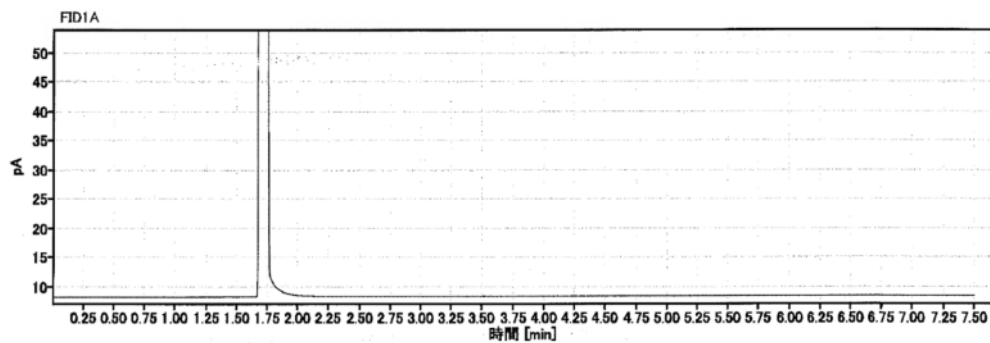
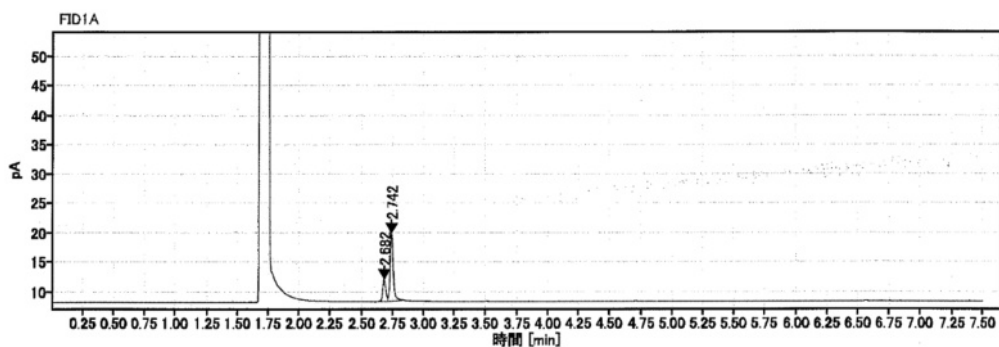


図-3-1 GC 測定チャート (代表例) ブランク

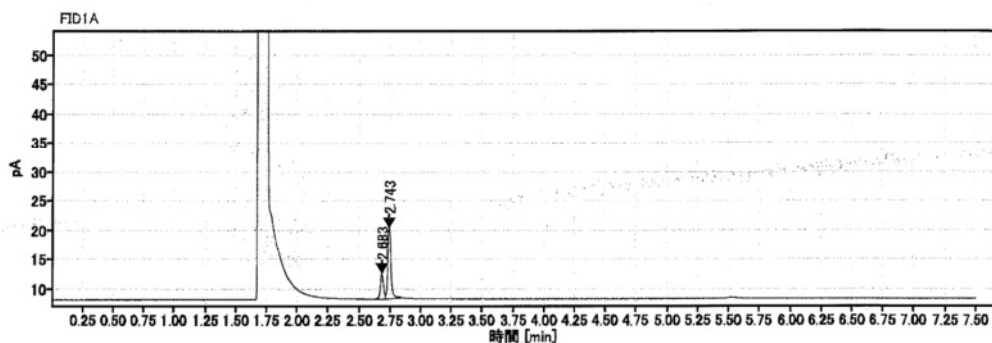
データファイル:	2024-10-09 14-46-29+09-00-02-r001.dx	プロジェクト名:	242023RR
シーケンス名:	20241009_1	オペレータ:	SYSTEM (SYSTEM)
サンプル名:	標準溶液 0.2mg/mL	注入日時:	2024-10-09 14:51:25+09:00
機器:	6890GC	ロケーション:	2
注入量:	1.000 μ L	タイプ:	サンプル
測定メソッド:	TPGME.amx	サンプルアmount:	0.00
解析メソッド:	TPGME.pmx		



シグナル: FID1A						
RT [min]	タイプ	ピーク幅 [min]	面積	高さ	面積%	化合物名
2.682	MM m	0.08	6.57	3.73	24.99	
2.742	VM m	0.13	19.72	11.44	75.01	
合計			26.28			

図-3-2 GC 測定チャート (代表例) 標準溶液 (0.2mg/mL)

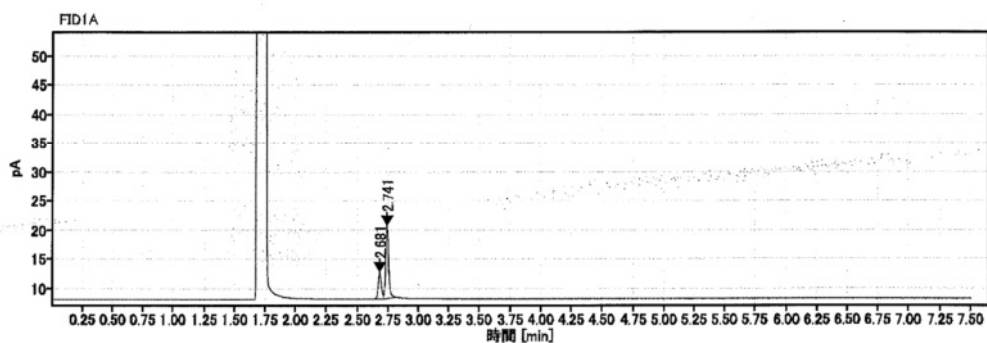
データファイル:	2024-10-09 15-11-25+09-00-03-r001.dx	プロジェクト名:	242023RR
シーケンス名:	20241009_1	オペレータ:	SYSTEM (SYSTEM)
サンプル名:	試料溶液 20mg/mL No.1	注入日時:	2024-10-09 15:16:18+09:00
機器:	6890GC	ロケーション:	3
注入量:	1.000 μ L	タイプ:	サンプル
測定メソッド:	TPGME.amx	サンプルアmount:	0.00
解析メソッド:	TPGME.pmx		



シグナル: FID1A						
RT [min]	タイプ	ピーク幅 [min]	面積	高さ	面積%	化合物名
2.683	MM m	0.08	7.57	4.29	26.49	
2.743	VM m	0.13	21.01	12.06	73.51	
合計			28.59			

図-3-3 GC 測定チャート (代表例) 試料溶液 20mg/mL

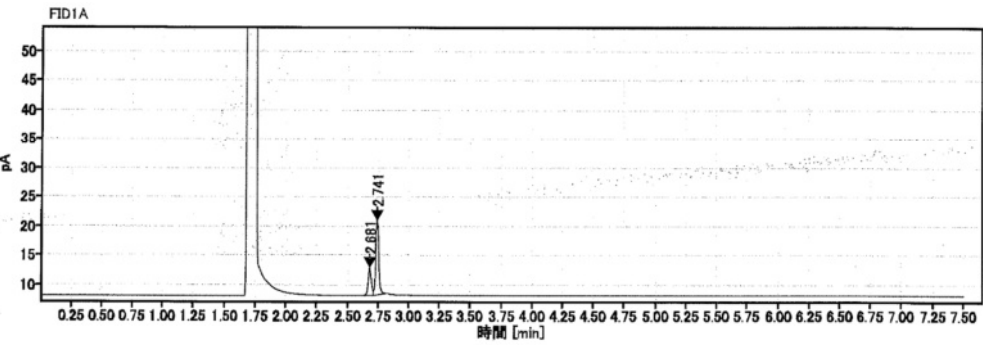
データファイル:	2024-10-09 16-01-15+09-00-05-r001.dx	プロジェクト名:	242023RR
シーケンス名:	20241009_1	オペレータ:	SYSTEM (SYSTEM)
サンプル名:	試料溶液 60mg/mL No.1	注入日時:	2024-10-09 16:06:11+09:00
機器:	6890GC	ロケーション:	5
注入量:	1.000 μ L	タイプ:	サンプル
測定メソッド:	TPGME.amx	サンプルアmount:	0.00
解析メソッド:	TPGME.pmx		



シグナル: FID1A						
RT [min]	タイプ	ピーク幅 [min]	面積	高さ	面積%	化合物名
2.681	MM m	0.08	7.94	4.54	27.69	
2.741	VM m	0.10	20.75	12.42	72.31	
合計			28.69			

図-3-4 GC 測定チャート (代表例) 試料溶液 60mg/mL

データファイル:	2024-10-09 16-51-18+09-00-07-r001.dx	プロジェクト名:	242023RR
シーケンス名:	20241009_1	オペレータ:	SYSTEM (SYSTEM)
サンプル名:	試料溶液 200mg/mL No.1	注入日時:	2024-10-09 16:56:16+09:00
機器:	6890GC	ロケーション:	7
注入量:	1.000 μ L	タイプ:	サンプル
測定メソッド:	TPGME.amx	サンプルアmount:	0.00
解析メソッド:	TPGME.pmx		

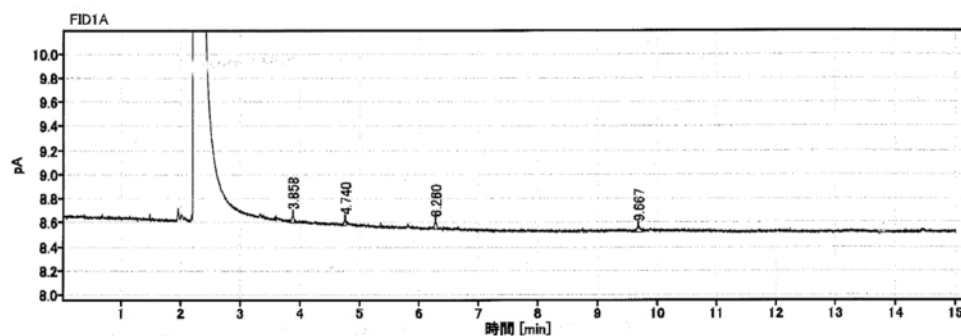


シグナル: FID1A

RT [min]	タイプ	ピーク幅 [min]	面積	高さ	面積%	化合物名
2.681	MM m	0.08	8.29	4.70	28.05	
2.741	VM m	0.10	21.27	12.68	71.95	
合計			29.56			

図-3-5 GC 測定チャート（代表例）試料溶液 200mg/mL

データファイル:	2024-10-17 11-49-57+09-00-01.dx	プロジェクト名:	242023RR
シーケンス名:	20241017_2	オペレータ:	SYSTEM (SYSTEM)
サンプル名:	solvent blank(Acetone)	注入日時:	2024-10-17 11:53:18+09:00
機器:	6890GC	ロケーション:	1
注入量:	1.000 μ L	タイプ:	ブランク
測定メソッド:	TPGME(DB210).amx	サンプルアmount:	0.00
解析メソッド:	*TPGME(定性).pmx		



シグナル: FID1A						
RT [min]	タイプ	ピーク幅 [min]	面積	高さ	面積%	化合物名
3.858	BV	0.11	0.19	0.07	25.93	
4.740	BV	0.08	0.13	0.05	17.48	
6.260	BB	0.13	0.19	0.06	26.40	
9.667	VV	0.19	0.22	0.05	30.18	
合計			0.72			

図-3-6 GC 測定チャート (代表例) 構造異性体分析 ブランク

データファイル:

2024-10-17 12-08-20+09-00-02-r001.dx

シーケンス名:

20241017_2

プロジェクト名:

242023RR

サンプル名:

標準溶液 0.200mg/mL

オペレータ:

SYSTEM (SYSTEM)

機器:

6890GC

注入日時:

2024-10-17 12:13:41+09:00

注入量:

1.000 μ L

ロケーション:

2

測定メソッド:

TPGME(DB210).amx

タイプ:

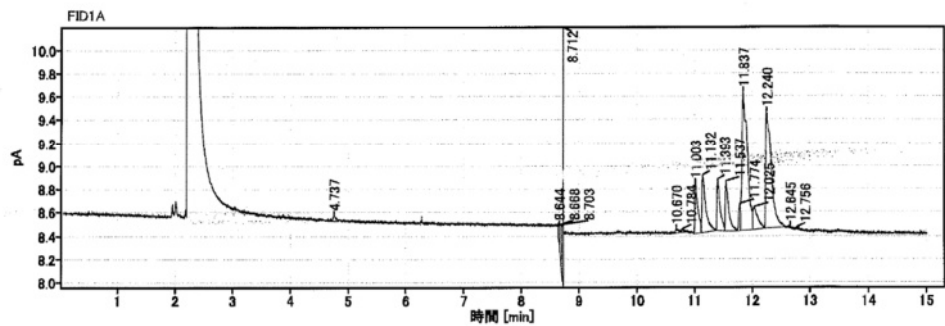
サンプル

解析メソッド:

*TPGME(定性).pmx

サンプルアmount:

0.00



シグナル: FID1A							化合物名
	RT [min]	タイプ	ピーク幅 [min]	面積	高さ	面積%	
	4.737	BV	0.12	0.19	0.06	0.70	TPGME
	8.644	VV	0.02	0.19	0.18	0.69	
	8.668	VV	0.04	0.69	0.32	2.51	
	8.703	VV	0.02	0.54	0.51	1.95	
	8.712	VB	0.01	2.20	11.33	7.98	
1	10.670	BM m	0.09	0.12	0.04	0.43	
2	10.784	MM m	0.16	0.10	0.03	0.37	
3	11.003	BV	0.14	1.65	0.43	6.01	
4	11.132	VB	0.26	2.26	0.50	8.19	
5	11.393	BM m	0.14	1.67	0.44	6.05	
6	11.537	MM m	0.23	1.74	0.43	6.30	
7	11.774	BM m	0.04	0.35	0.24	1.28	
8	11.837	MM m	0.22	7.86	1.20	28.51	
9	12.025	MM m	0.21	1.12	0.20	4.08	
10	12.240	BM m	0.37	6.73	1.01	24.41	
11	12.645	MB m	0.13	0.08	0.03	0.31	
12	12.756	MM m	0.11	0.06	0.02	0.23	
合計				27.56			

図-3-7 GC 測定チャート（代表例）構造異性体分析 標準溶液

分析者 : Admin
 分析日時 : 2024/10/23 14:59:24
 サンプルタイプ : 標準
 レベル番号 : 1
 サンプル名 : 標準溶液 0.200mg/mL
 サンプルID : UNK-0002
 内標量 : [1]=1
 サンプル量 : 1
 希釈率 : 1
 バイタル番号 : 2
 注入量 : 1.00
 データファイル : D:\分析\一般分析\TPGME_4.qgd
 分析時のデータファイル : D:\分析\一般分析\TPGME_4.qgd
 メソッドファイル : D:\分析\一般分析\TPGME.qgm
 分析時のメソッドファイル : D:\分析\一般分析\TPGME.qgm
 レポートファイル : D:\分析\一般分析\YDLreport.qgr
 チューニングファイル : C:\GCMSsolution\System\Tune2024\Tune240919.qgt
 編集者 : Admin
 更新日時 : 2025/01/27 12:06:20

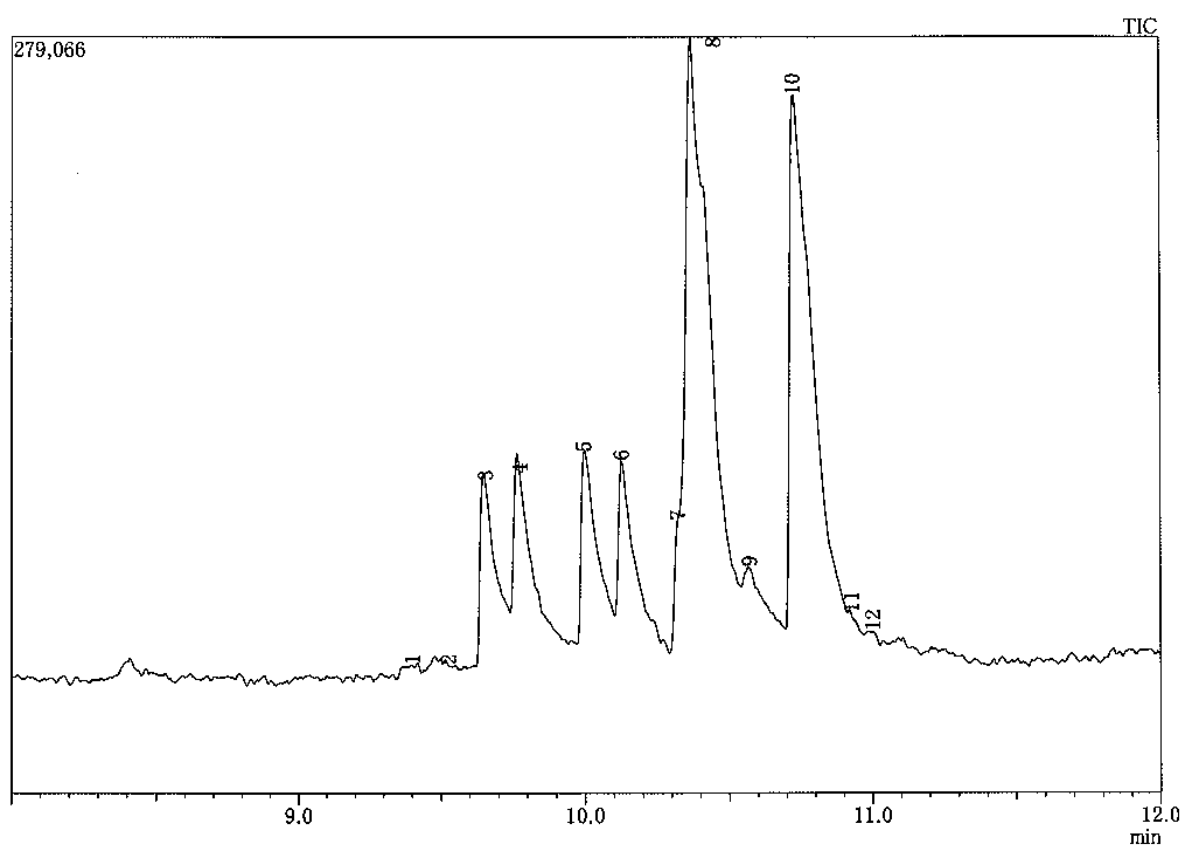


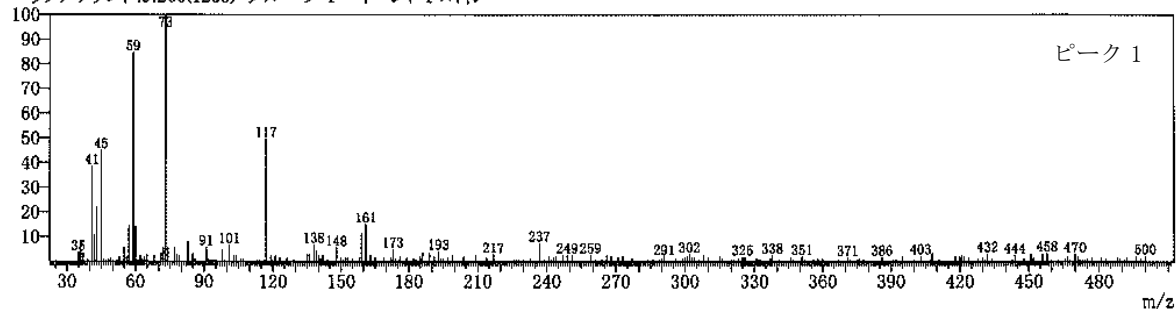
図-4-1 GC-MS 測定チャート 構造異性体分析 クロマトグラム

#1 保持時間:9.400(スキャン#:1281)

ピーク数:241

スペクトル:シングル 9.400(1281) ベースピーク:73(1183)

バックグラウンド:9.260(1253) グループ 1 - イベント 1 スキャン

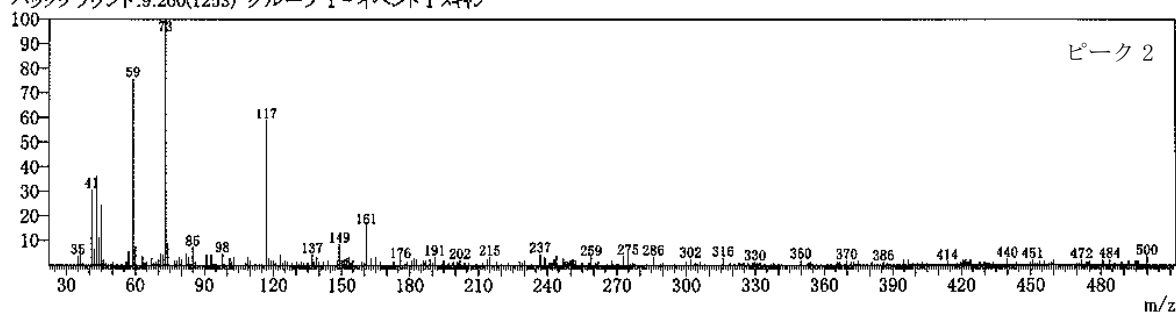


#2 保持時間:9.525(スキャン#:1306)

ピーク数:250

スペクトル:シングル 9.525(1306) ベースピーク:73(1189)

バックグラウンド:9.260(1253) グループ 1 - イベント 1 スキャン

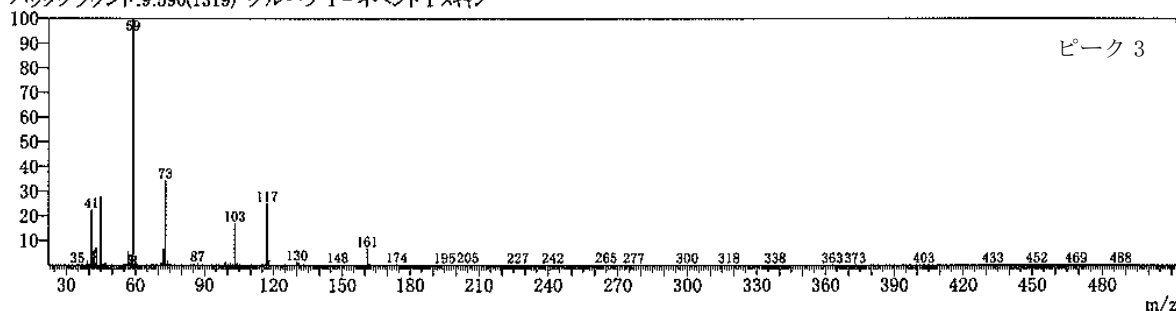


#3 保持時間:9.655(スキャン#:1332)

ピーク数:291

スペクトル:シングル 9.655(1332) ベースピーク:59(23524)

バックグラウンド:9.590(1319) グループ 1 - イベント 1 スキャン



#4 保持時間:9.775(スキャン#:1356)

ピーク数:258

スペクトル:シングル 9.775(1356) ベースピーク:59(22408)

バックグラウンド:9.575(1316) グループ 1 - イベント 1 スキャン

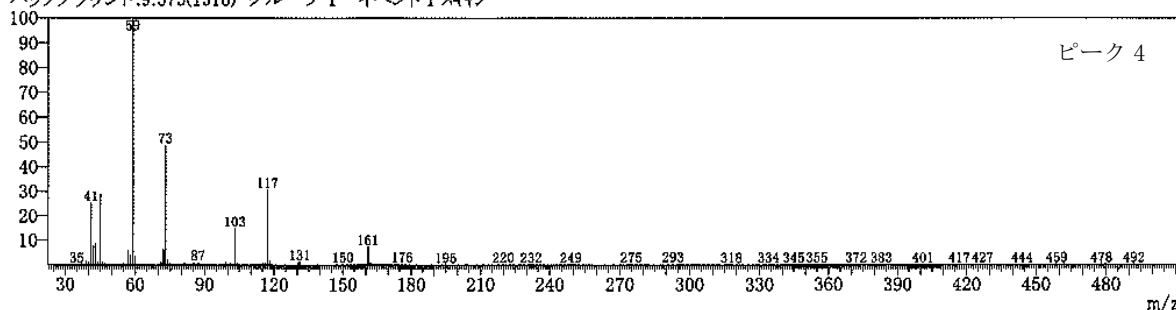


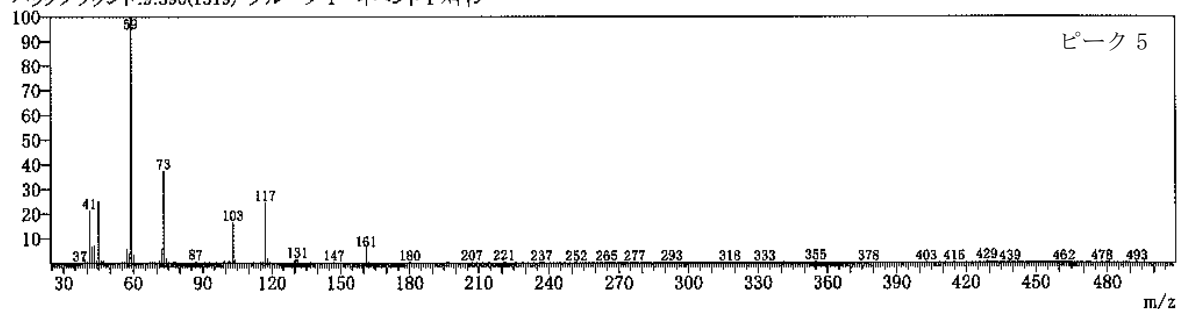
図-4-2 GC-MS 測定チャート 構造異性体分析 マススペクトル

#5 保持時間:9.995(スキャン#:1400)

ピーク数:276

スペクトル:シングル 9.995(1400) ベースピーク:59(27039)

バックグラウンド:9.590(1319) グループ 1 - イベント 1 スキャン

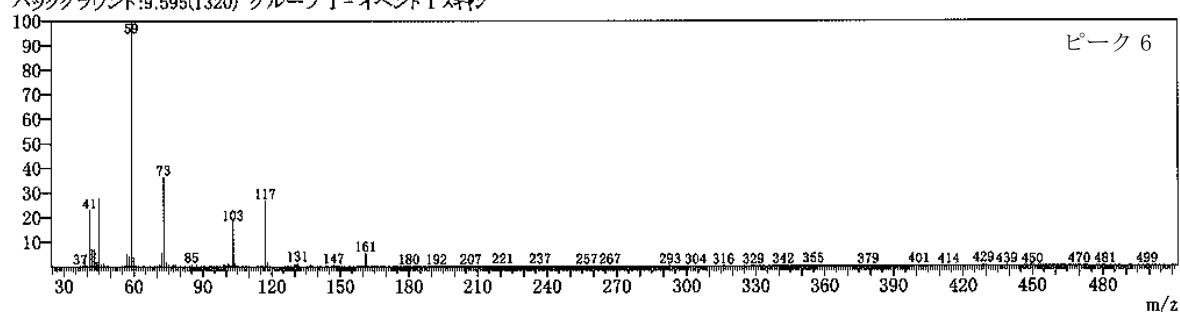


#6 保持時間:10.125(スキャン#:1426)

ピーク数:272

スペクトル:シングル 10.125(1426) ベースピーク:59(25129)

バックグラウンド:9.595(1320) グループ 1 - イベント 1 スキャン

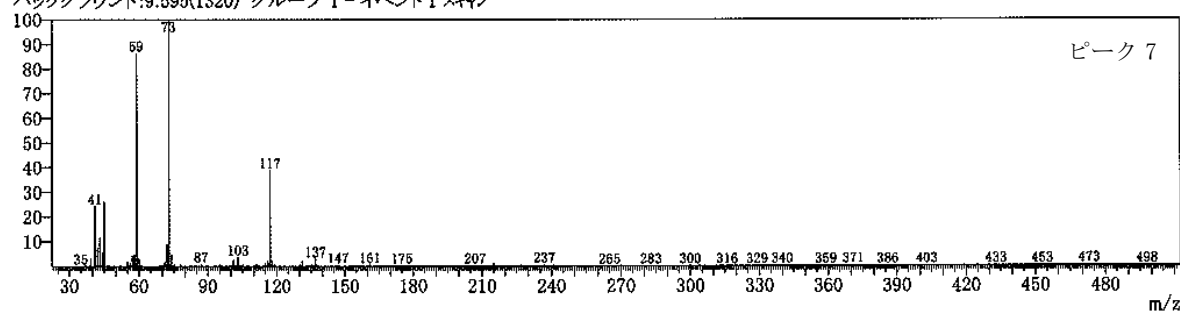


#7 保持時間:10.320(スキャン#:1465)

ピーク数:249

スペクトル:シングル 10.320(1465) ベースピーク:73(14915)

バックグラウンド:9.595(1320) グループ 1 - イベント 1 スキャン



#8 保持時間:10.370(スキャン#:1475)

ピーク数:271

スペクトル:シングル 10.370(1475) ベースピーク:59(95083)

バックグラウンド:11.340(1669) グループ 1 - イベント 1 スキャン

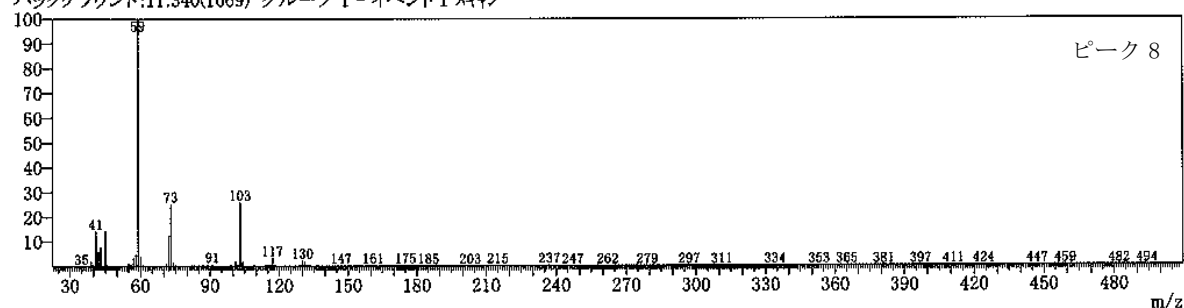


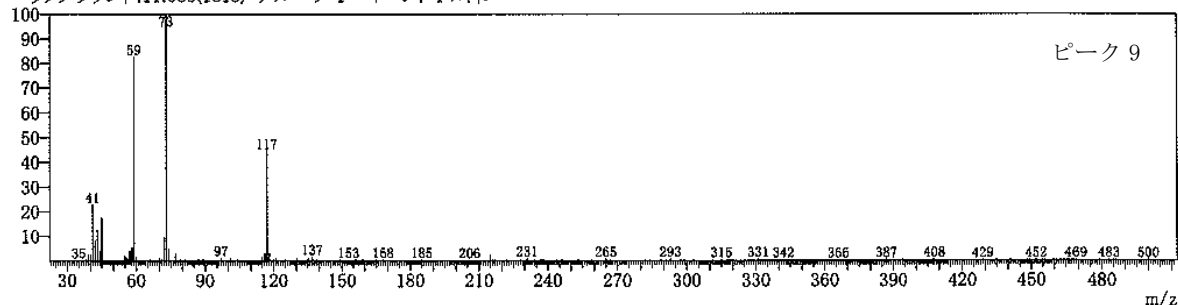
図-4-3 GC-MS 測定チャート 構造異性体分析 マススペクトル

#9 保持時間:10.570(スキャン#:1515)

ピーク数:218

スペクトル:シングル 10.570(1515) ベースピーク:73(8154)

バックグラウンド:11.085(1618) グループ 1 - イベント 1 スキャン

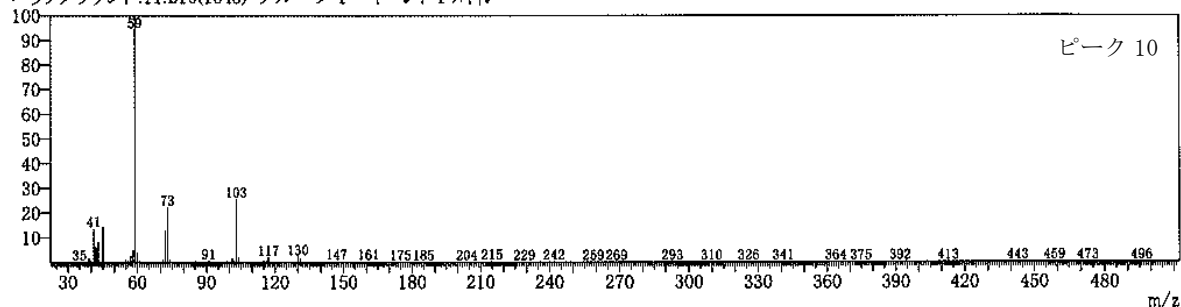


#10 保持時間:10.725(スキャン#:1546)

ピーク数:273

スペクトル:シングル 10.725(1546) ベースピーク:59(86469)

バックグラウンド:11.210(1643) グループ 1 - イベント 1 スキャン

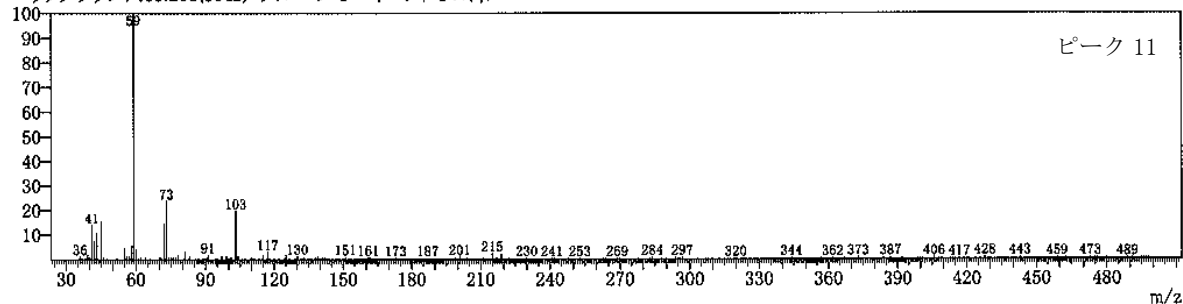


#11 保持時間:10.925(スキャン#:1586)

ピーク数:220

スペクトル:シングル 10.925(1586) ベースピーク:59(5356)

バックグラウンド:11.205(1642) グループ 1 - イベント 1 スキャン



#12 保持時間:11.000(スキャン#:1601)

ピーク数:280

スペクトル:シングル 11.000(1601) ベースピーク:59(2259)

バックグラウンド:11.175(1636) グループ 1 - イベント 1 スキャン

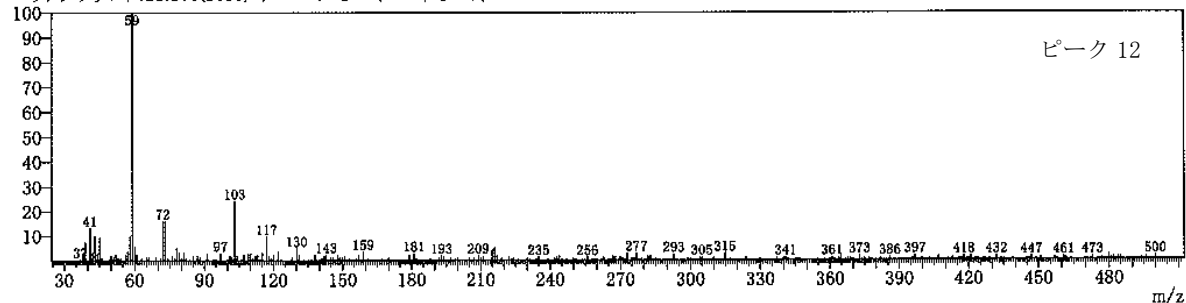
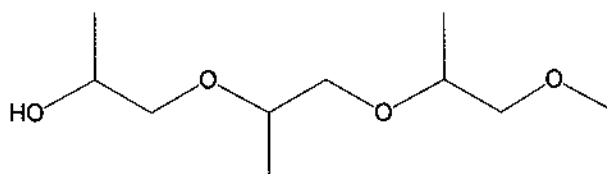
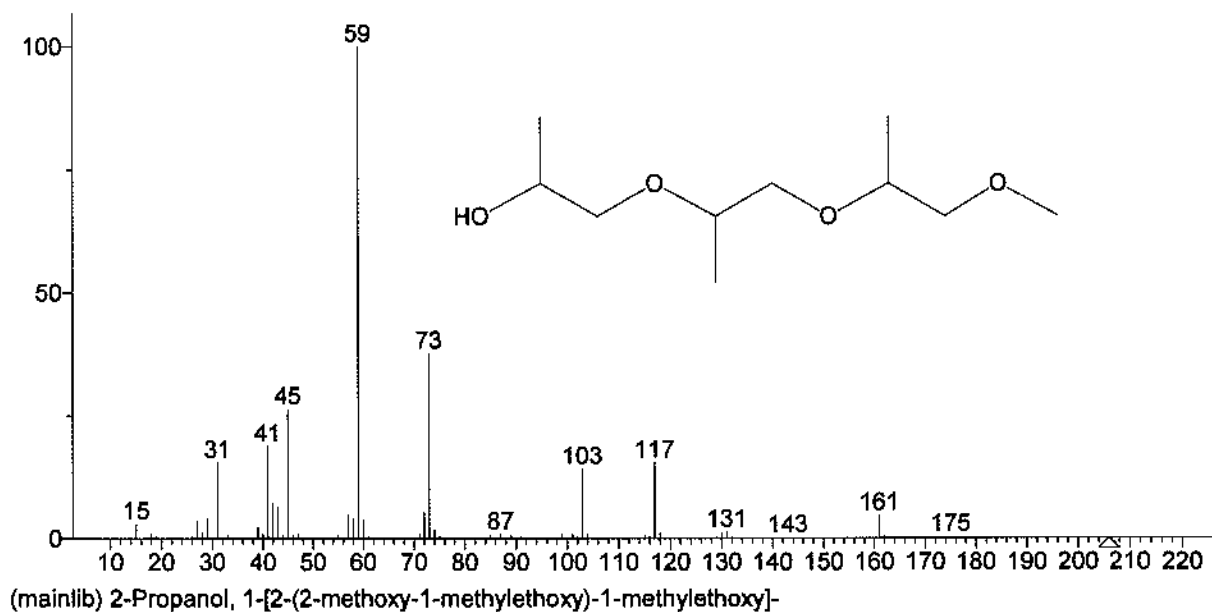


図-4-4 GC-MS 測定チャート 構造異性体分析 マススペクトル



Name: 2-Propanol, 1-[2-(2-methoxy-1-methylethoxy)-1-methylethoxy]-

Formula: C₁₀H₂₂O₄

MW: 206 Exact Mass: 206.151809 CAS#: 20324-33-8 NIST#: 232410 ID#: 35030 DB: mainlib

Other DBs: Fine, TSCA, RTECS, EPA, EINECS

Contributor: Japan AIST/NIMC Database- Spectrum MS-NW-5164

InChIKey: HPFDGTFXAVIVTH-UHFFFAOYSA-N Non-stereo

Related CAS#: 1335-22-4, 109201-64-1

10 largest peaks:

59 999	73 376	45 263	41 187	31 154
117 154	103 141	42 72	43 62	72 52

図-4-5 GC-MS 測定チャート ライブラリ検索結果