最終報告書

表　　題：2-メチルペンタン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：SR17148

株式会社化合物安全性研究所

試験責任者の署名

表題　　：2-メチルペンタン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：SR17148

株式会社化合物安全性研究所

試験責任者

[redacted]　2018 年 3 月 28 日

陳述書

表　　題：2-メチルペンタン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：SR17148

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) 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 (平成27年12月21日薬生発1221第1号・20151209製局第1号・環保企発第1512211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・環境省総合環境政策局長連名通知) に準拠した.

株式会社化合物安全性研究所
試験責任者

[redacted]　2018 年 3 月 28 日

信頼性保証書

表題　　：2-メチルペンタン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　：SR17148

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	2017 年10 月 20 日	2017 年10 月 20 日	2017 年10 月 20 日
コンピュータプロトコール	2017 年10 月 25 日	2017 年10 月 25 日	2017 年10 月 25 日
動物受入・検疫･馴化	2017 年10 月 25 日	2017 年10 月 25 日	2017 年10 月 25 日
試験計画書変更書 (No.1)	2017 年11 月　4 日	2017 年11 月　4 日	2017 年11 月　4 日
被験物質の管理	2017 年11 月　4 日	2017 年11 月　4 日	2017 年11 月　4 日
投与液の調製	2017 年11 月　4 日	2017 年11 月　4 日	2017 年11 月　4 日
投与	2017 年11 月　8 日	2017 年11 月　8 日	2017 年11 月　8 日
性周期検査	2017 年11 月　8 日	2017 年11 月　8 日	2017 年11 月　8 日
詳細な状態観察	2017 年11 月 14 日	2017 年11 月 14 日	2017 年11 月 14 日
生殖能検査 (交配)	2017 年11 月 21 日 2017 年11 月 22 日	2017 年11 月 22 日	2017 年11 月 22 日
機能検査	2017 年11 月 29 日	2017 年11 月 29 日	2017 年11 月 29 日
尿検査	2017 年11 月 30 日 2017 年12 月　1 日	2017 年12 月　1 日	2017 年12 月　1 日
試験計画書変更書 (No.2)	2017 年12 月　1 日	2017 年12 月　1 日	2017 年12 月　1 日
採血	2017 年12 月　6 日	2017 年12 月　6 日	2017 年12 月　6 日
血液学的検査	2017 年12 月　6 日	2017 年12 月　6 日	2017 年12 月　6 日
血液化学的検査	2017 年12 月　6 日	2017 年12 月　6 日	2017 年12 月　6 日
剖検・器官重量測定	2017 年12 月　6 日	2017 年12 月　6 日	2017 年12 月　6 日
試験計画書変更書 (No.3)	2017 年12 月 13 日	2017 年12 月 13 日	2017 年12 月 13 日
試験計画書変更書 (No.3)*	2017 年12 月 14 日	2017 年12 月 14 日	2017 年12 月 14 日
コンピュータプロトコール	2017 年12 月 14 日	2017 年12 月 14 日	2017 年12 月 14 日
分娩および哺育状態観察	2017 年12 月 14 日	2017 年12 月 14 日	2017 年12 月 14 日
新生児の一般状態観察	2017 年12 月 14 日	2017 年12 月 14 日	2017 年12 月 14 日
新生児の体重測定	2017 年12 月 14 日	2017 年12 月 14 日	2017 年12 月 14 日
新生児の剖検	2017 年12 月 18 日	2017 年12 月 18 日	2017 年12 月 18 日
病理組織学的検査 (標本作製)	2017 年12 月 11 日 2017 年12 月 18 日 2017 年12 月 22 日	2017 年12 月 22 日	2017 年12 月 22 日
被験物質のサンプリング	2017 年12 月 25 日	2017 年12 月 25 日	2017 年12 月 25 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
試験計画書変更書 (No.4)	2018 年 1 月 22 日	2018 年 1 月 22 日	2018 年 1 月 22 日
病理組織学的検査 (鏡検)	2018 年 2 月 7 日	2018 年 2 月 7 日	2018 年 2 月 7 日
生データ	2018 年 3 月 19 日 2018 年 3 月 20 日	2018 年 3 月 20 日	2018 年 3 月 20 日
最終報告書 (草案) : 図表	2018 年 3 月 19 日 2018 年 3 月 20 日	2018 年 3 月 20 日	2018 年 3 月 20 日
最終報告書 (草案) : 本文	2018 年 3 月 19 日 2018 年 3 月 20 日	2018 年 3 月 20 日	2018 年 3 月 20 日
最終報告書	2018 年 3 月 28 日	2018 年 3 月 28 日	2018 年 3 月 28 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
群分け	2017 年10 月 20 日	2017 年10 月 20 日	2017 年10 月 20 日
一般状態観察	2017 年10 月 20 日	2017 年10 月 20 日	2017 年10 月 20 日
体重測定	2017 年10 月 20 日	2017 年10 月 20 日	2017 年10 月 20 日
摂餌量測定	2017 年10 月 20 日	2017 年10 月 20 日	2017 年10 月 20 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.

株式会社化合物安全性研究所

QAU 責任者

[redacted] 2018 年 3 月 28 日

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表題

2-メチルペンタン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

SR17148

試験目的

2-メチルペンタン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.

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) 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 (平成 27 年 12 月 21 日薬生発 1221 第 1 号・20151209 製局第 1 号・環保企発第 1512211 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・環境省総合環境政策局長連名通知)

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 平成 26 年 5 月 30 日 法律第 46 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 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程に準拠して実施した.

試験委託者

名称　：厚生労働省 医薬・生活衛生局

所在地　：東京都千代田区霞が関 1-2-2 (〒100-8916)

連絡先　：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　：[redacted]

試験責任者

氏名　[redacted]

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

被験物質の調製

動物管理

検疫・馴化

投与・観察・測定

臨床検査

病理検査

[redacted]

試験日程

試験開始日　　：2017 年 10 月 20 日

動物受入　　：2017 年 10 月 25 日

群分け　　：2017 年 11 月 7 日

実験開始日　　：2017 年 11 月 8 日

投与開始　　：2017 年 11 月 8 日

交配開始　　：2017 年 11 月 21 日

雄動物およびサテライト群雌動物投与終了

：2017 年 12 月 5 日

雄動物およびサテライト群雌動物(投与終了時剖検例)投与終了時剖検

：2017 年 12 月 6 日

新生児剖検開始　　：2017 年 12 月 18 日

母動物剖検開始　　：2017 年 12 月 19 日

サテライト群雄および雌動物(回復終了時剖検例)剖検

：2017 年 12 月 20 日

実験終了日　　：2018 年 3 月 19 日

試験終了日　　：2018 年 3 月 28 日

1 要約

2-メチルペンタンの 0 (溶媒対照，トウモロコシ油)，100，300 および 1000 mg/kg を 1 群雌雄各 12 匹の Crl:CD(SD) ラットに，雄に対しては交配前，交配期間および交配後を含む計 28 日間，雌に対しては交配前，交配および妊娠期間，ならびに分娩後 4 日までの期間経口投与し，雌雄動物への反復投与による影響，雌雄動物の生殖および新生児の発生に及ぼす影響について検討した．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

100，300 および 1000 mg/kg 群では，投与期間中の一般状態，体重，体重増加量および摂餌量，詳細な状態観察，機能検査，尿検査，血液学的検査，血液化学的検査および剖検には，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.

腎臓では，100 mg/kg 以上の群の雄で近位尿細管上皮の硝子滴がほぼ全例にみられ，抗α2u-Globulin 抗体による免疫組織科学的検索で陽性であったことから，α2u-Globulin 腎症を発症したと考えられた．α2u-Globulin はヒトには存在せず，外挿されないことから，毒性学的な意義はないと考えられた．その他，300 mg/kg 以上の群で腎臓の絶対あるいは相対重量の有意な高値が，投与終了時の 300 mg/kg 群および回復時の 1000 mg/kg 群で尿細管の好塩基性化の発現頻度が高かった.

肝臓では，1000 mg/kg 群の雄で器官重量に有意な高値がみられたが，肝機能および病理組織学的検査では，関連する変化は認められなかったことから，毒性学的に意義のな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-メチルペンタンの反復投与毒性に関する無影響量 (NOEL) は，雄では 100 mg/kg/day 未満，雌では 1000 mg/kg/day，無毒性量 (NOAEL) は雌雄とも 1000 mg/kg/day であると考えられた.

1.2 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-メチルペンタンの親動物の生殖に対する無影響量 (NOEL) および無毒性量 (NOAEL) ならびに新生児の発生に対する無影響量 (NOEL) および無毒性量 (NOAEL) はいずれも 1000 mg/kg/day と考えられた.

2 緒言

2-メチルペンタンの 0 (溶媒対照，トウモロコシ油)，100，300 および 1000 mg/kg を 1 群雌雄各 12 匹の Crl:CD(SD) ラットに，雄に対しては交配前，交配期間および交配後を含む計 28 日間，雌に対しては交配前，交配および妊娠期間，ならびに分娩後 4 日までの期間経口投与し，雌雄動物への反復投与による影響，雌雄動物の生殖および新生児の発生に及ぼす影響について検討した．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．

3 材料および方法

3.1 被験物質

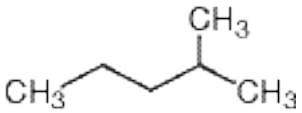
名称 : 2-メチルペンタン
2-Methylpentane

別名 [1] : Isohexane

CAS 番号 : 107-83-5

官報公示整理番号(化審法) [1] : (2)-6

構造式 [2] :



化学式 [1] : C_6H_{14}

分子量 [3] : 86.2

物理化学的性質 [1] : 外観；透明液体，無色 ~ ほとんど無色，ガソリン臭
沸点/沸騰範囲；60°C
引火点；-20°C
比重；0.65
溶解度；水に不溶 (14 mg/L)，多くの有機溶剤に可溶
オクタノール/水分配係数；3.74

ロット番号 : UFU8O

純度 [4] : 99.0 %

製造業者 [redacted]

被験物質管理責任者からの移管量：1101.44 g [風袋込重量；容器番号①846.39 g (内容量 360.10 g)，容器番号②837.07 g (内容量 360.86 g)，容器番号③362.81 g (内容量

110.33 g)，容器番号④778.18 g (内容量 270.15 g)]

使用量　　：958.1166 g

試験施設受領日　　：2017 年 6 月 30 日，2017 年 10 月 26 日 (追加)

安定性　　：投与操作終了後，当該ロットの安定性を確認した．分析は株式会社日曹分析センターが実施し，分析結果を入手した．分析の結果，投与期間中被験物質は安定であったことが確認された (Annex 1).

保存条件　　：冷暗所 (実測範囲 5.5 ~ 7.5°C)，密閉

保存場所および保存期間：被験物質保存室；2017 年 6 月 30 日 (試験施設受領) ~ 2017 年 12 月 25 日 (最終調製)

取扱上の注意　　：ゴム手袋，マスクおよび保護メガネを着用した．被験物質を分取する場合は，ガラス製の器具を用い，ガラス容器に分取した．

サンプリング　　：約 5 g (実測値 5.003 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　　：トウモロコシ油

ロット番号　　：V7G1095，V7P2013

製造者　　：ナカライテスク株式会社

被験物質管理責任者からの移管量：30000 g (V7G1095；500 g×50 本，V7P2013；500 g×10 本)

使用量　　：19893.72 g (V7G1095)，V7P2013 は使用しなかった．

保存場所および保存期間：被験物質保存室；2017 年 10 月 18 日 (試験施設受領) ~ 2017 年 12 月 25 日 (最終調製)

保存条件　　：室温 (実測範囲 20.9 ~ 23.2°C)．ただし，調製には調製前日から冷蔵 (実測範囲 6.0 ~ 7.2°C)したものを用い，当日の調製後，残りは室温に保存した．ただし，雄の最終回投与の調製時は，冷蔵しなかった (6 項参照).

取扱上の注意　　：特になし．

3.3　投与液の調製

調製方法　　：投与量毎に被験物質を正確に秤量した．所定の濃度となるように媒体 (対照物質) を加えてメスアップし，スターラーを用いて溶解させた．調製は高，中および低用量の順に実施した．

調製頻度　　：投与用の調製液は 3 ~7 日の間隔で調製し，8 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；2017 年 11 月 4 日 (初回調製) ~ 2017 年 12 月 31 日 (最終投与)

保存条件　　：ガラス製の遮光気密容器に入れ，冷蔵 (実測範囲 5.7 ~ 7.2°C) 保存した．

調製上の注意　　：被験物質はクリーンベンチ内で取扱い，調製の際にはマスク，ゴム手袋，保護メガネ等を着用し，吸入，眼，皮膚および衣類等との接触を避けた．調製および分取の際は，ガラス製の器具を使用した．

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．

投与液の安定性の確認：10 および 100 mg/mL の濃度の調製液について，冷蔵保存 8 日+室温保存 6 時間 (初回分析日を 0 日として起算) の安定性を確認した．調製および安定性の分析は株式会社日曹分析センターが実施し，分析結果を入手した．分析の結果，冷蔵保存 8 日および室温保存 6 時間 (調製日を 0 日として起算) の安定性が確認された (Annex 1).

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確認した．投与液の濃度分析は株式会社日曹分析センターが実施し，分析結果を入手した．分析の結果，いずれの濃度も適切であることが確認された (Annex 1). 雄の最終回投与に使用する調製液について，再調製し，再分析した (6 項参照).

3.4　試験系

種・系統　　：ラット，Crl:CD(SD)

微生物統御　　：SPF

生産業者　　：日本チャールス・リバー株式会社

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 70 匹

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 256 ~ 288 g，雌 183 ~ 228 g

投与開始時週齢　　：雌雄とも 10 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

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．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認められなかった.

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 9 日間に行った．検査の結果，1 例 (受入時動物番号 5001) に性周期異常がみられた以外に，異常は認められなかった.

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，動物の使用の適否を決定した．群分けはコンピュータシステム (MiTOX，三井造船システム技研株式会社) を使用し，群分け日 (投与開始前日) の体重に基づいて，馴化期間中に異常がみられた雌 1 例を除いて層化無作為抽出法により各群の平均体重が均一になるように行った．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 339 ~ 392 g，雌で 211 ~ 272 g であり，平均体重 (雄 364.9 g，雌 240.0 g) の ± 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，試験施設の標準操作手順書に従って取り扱った.

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.

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，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　：307 号室

温度・湿度　：22 ± 3°C (実測範囲 20 ~ 23°C)，50 ± 20% (実測範囲 39 ~ 57%)

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 (260W × 380D × 180H，mm)
ただし，交尾成立雌動物については妊娠 17 日から哺育 4 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，日本チャールス･リバー株式会社) 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．

ケージ交換　：群分け時および投与 14 日に実施した．ただし，交尾成立雌動物については妊娠 0 日および 14 日に実施した．回復終了時剖検例は回復 1 日に実施した．

受皿交換　：週 2 回実施した．

小型受皿の交換　：妊娠 20 日に実施した．

給餌器交換　：群分け時および投与 14 日に実施した．ただし，交尾成立雌動物については妊娠 0 日および 14 日に実施した．回復終了時剖検例は回復 1 日に実施した．

自動給水装置の水抜き：週 1 回実施した．

給水器　：尿検査時にのみ使用した．

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　：170623，170822，171024

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・フードアンドプロダクト・テスティング株式会社 (分析報告書：No. AR-17-JP-004984-01-JA，AR-17-JP-005599-01-JA，AR-17-JP-006568-01-JA) および飼料製造業者 (分析試験報告書：No. 17G03-077，17G03-101，17G03-124) 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．分析項目と許容値は試験施設の標準操作手順書に準拠した．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，2017 年 7 月 4 日および 2018 年 1 月 5 日に当該飼育室と同系統配管の配管の最末端 (306 号室) 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：No. A291242，A295125) が行い，分析データを入手した．分析項目と許容値は試験施設の標準操作手順書に準拠した．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 (SR17147)[5] (投与量 0，30，100，300 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，1000 mg/kg 群の用量まで，一般状態，体重，摂餌量，血液学的検査，血液化学的検査，剖検および器官重量のいずれの項目にも，雌雄とも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，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．そのほかに媒体のみを同様の方法で投与する対照群を設けた．

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 (mg/kg)	濃度 (mg/mL)	投与容量 (mL/kg)	動物数(動物番号) 雄	動物数(動物番号) 雌	識別
＜主試験群＞						
対照	0	0	10.0	12 (10101~10112)	12 (50151~50162)	白
低用量	100	10	10.0	12 (10201~10212)	12 (50251~50262)	緑
中用量	300	30	10.0	12 (10301~10312)	12 (50351~50362)	青
高用量	1000	100	10.0	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	10.0		5 (50551~50555)[b]	白
(回復終了時剖検例)	0	0	10.0	5 (10101~10112)[a]	5 (50556~50560)[b]	白
高用量 (投与終了時剖検例)	1000	100	10.0		5 (50651~50655)[b]	赤
(回復終了時剖検例)	1000	100	10.0	5 (10401~10412)[a]	5 (50656~50660)[b]	赤

対照群には，他の群と同様の方法で媒体のみを投与した．

a：主試験群から投与 21 日の体重測定後に，各群の体重の平均値に近似するように選抜した．ただし，交配中の雄動物は選抜から除いた．

b：非交配群

3.9.3　投与

投与方法および投与経路：ディスポーザブル胃ゾンデおよびガラスシリンジを用いて強制的に胃内に経口投与した．

投与回数　：1 日 1 回，連日投与した．

投与時刻　：8：47 ~ 12：26

ただし，上記投与時刻に分娩中の母動物には，分娩終了後に投与した．

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 4 日 (哺育 0 日を分娩後 0 日として起算) までの期間，分娩遅延例は妊娠 25 日まで．

サテライト群については 28 日間

回復期間　：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.

投与方法，投与経路，投与回数および投与期間の選定理由：

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．異常が認められた場合は，その症状ならびに症状の発現および消失について記録した．死亡した動物は発見後速やかに剖検した.

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 および 42 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 22 日) に実施した．投与 4 週の検査の結果，被験物質投与の影響が認められなかったことから回復 2 週の検査は実施しなかった.

主試験群の雌は哺育 4 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，上記に引き続き，10 分間隔で 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 および 4 日の投与前ならびに分娩後 5 日の剖検日．ただし，分娩遅延例は妊娠 26 日 (剖検日) にも測定した.

死亡例については，死亡発見時の体重を記録した.

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；

体重増加量 (g) = 投与 28 日体重 (g)－投与 1 日体重 (g)

回復期間；

体重増加量 (g) = 回復 14 日体重 (g)－回復 1 日体重 (g)

<主試験群の雌>

妊娠前投与期間；

体重増加量 (g)＝投与 14 日体重 (g)－投与 1 日体重 (g)

妊娠期間；

体重増加量 (g)＝妊娠 20 日体重 (g)－妊娠 0 日体重 (g)

哺育期間；

体重増加量 (g)＝哺育 4 日体重 (g)－哺育 0 日体重 (g)

3.10.1.5　摂餌量測定

例数　：全例

測定日　：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) を用いて測定した.

投与 1 日または回復 1 日に適当量を測定後ケージ毎に給餌し，その後は測定日に残餌量および給餌量を測定した．ただし，最終回の測定は残餌量のみとした．主試験群の雌については，妊娠 20 日および哺育 4 日は残餌量のみ，妊娠 0 日および哺育 0 日は給餌量のみ測定した.

次に示す式により，摂餌量 (g/rat/day) を算出した.

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

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 23 ~ 24 日) および回復 2 週 (回復 8 ~ 9 日).

投与 4 週の検査日に投与直後から約 3 時間の蓄尿が得られなかった 3 例については，翌日に投与直後から約 3 時間の蓄尿を再採取して検査した.

採尿方法　：非絶食下でラット用代謝ケージ (KN-646，B-1 型，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] 沈渣については，遠心分離

(約 400 × *g*，5 分，4°C) した後に検査を行った．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，BH2-MDO，オリンパス光学工業株式会社

[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 5 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 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] および [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．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)	電気抵抗検出法
[2]	ヘマトクリット値 (HCT)	電気抵抗検出法
[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)	電気抵抗検出法
[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/μL)	
	2　好酸球 (Eosinophil, 10^2/μL)	
	3　好塩基球 (Basophil, 10^2/μL)	
	4　単球 (Monocyte, 10^2/μL)	
	5　リンパ球 (Lymphocyte, 10^2/μL)	
[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 XT-2000 iV，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

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 × *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，栄研器材株式会社) に血液を採取し，遠心分離 (約 2000 × *g*，10 分，4°C) して得られた血清を用いて検査した．また，血清の一部を甲状腺機能に関連するホルモン (TSH，T3 および T4) 測定用としてポリプロピレン製チューブ 4 本に約 150 μL ずつ分注して凍結保存 (−80°C 設定) した．しかし，病理検査において下垂体－甲状腺系への影響が認められなかったため，測定は実施せず，標本は廃棄した．検査終了後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)	JSCC 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･LED 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) 1 アルブミン (Albumin, %) 2 α_1-グロブリン (α1-G, %) 3 α_2-グロブリン (α2-G, %) 4 β-グロブリン (β-G, %) 5 γ-グロブリン (γ-G, %)	アガロースゲル電気泳動法

[1] ~ [17] 自動分析装置 7080 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

3.10.1.9 病理検査

3.10.1.9.1 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 5 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，分娩遅延例は妊娠 26 日に実施した．

死亡例は発見後速やかに実施した．

検査方法 ：体外表を観察し，イソフルラン麻酔下で，血液検査実施例については腹部大動脈より採血後，放血により安楽死させ，全身の器官・組織を

肉眼的に観察した．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．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．肺については固定液を注入後浸漬固定した．左右のある器官については，左右とも固定・保存した．主試験群の雌では，黄体数および着床数を数えた．

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，腎臓，膀胱，精巣，精巣上体，前立腺，精嚢 (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 (腓腹筋，右) および坐骨神経および肉眼的異常部位 (正常組織との境界部含む).

3.10.1.9.2　器官重量測定

例数　：全例 (途中死亡例を除く)

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．左右のある器官については，左右合わせて測定した.

器官・組織名　：脳，心臓，肝臓，腎臓，精巣，精巣上体，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.

$$\text{相対重量 (g/100 g または mg/100 g)} = \frac{\text{絶対重量 (g または mg)}}{\text{剖検日体重 (g)}} \times 100$$

3.10.1.9.3　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．高用量群の主試験群の雄において，病理組織病変が腎臓にみられたため，主試験群の雄の低用量群および中用量群，ならびに雄の回復群のすべての動物の腎臓の病理組織学的検査を追加実施した．また，中間用量群の主試験群の雌にお

いて剖検時にみられた肉眼的異常部位(動物番号 50354 および 50362, 皮下腫瘤), 死亡例 (動物番号 10408, 心嚢) 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・エオジン染色標本を作製して鏡検した. 腎臓について, 動物番号 10101, 10206, 10207, 10302, 10308, 10401, 10409 では, 抗α2u-Globulin 抗体 (R&D Systems, Inc., Minneapolis, MN, USA) を用いた免疫組織科学的検索 (ストレプトアビジン・ビオチン法) を施した標本を, 動物番号 10206, 10409 では, 過ヨウ素酸シッフ (PAS) 染色標本も作製して鏡検した.

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を作製し, 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した. 発情期あるいは発情間期が 7 日以上継続してみられるものを連続発情または連続非発情とし, 異常と判定した.

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

時期・方法 : 投与 14 日を交配開始日, 交配開始日の翌日を交配 1 日とし, 交配開始日の夕刻から, 同試験群内の雌雄 1 対を交尾が確認されるまで 14 日間を限度として連続同居させた. 同居開始後 14 日までに全例の交尾が確認された.

交配組み合せ : 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.

ただし, 交配相手の雄が死亡した雌 1 例 (動物番号 50458) は, 既に交尾が成立した同試験群内の雄 (動物番号 10401) と交配 3 日から交配開始した.

交尾成立の確認方法 : 膣内または受皿上に落下した膣栓, あるいは膣垢スメ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.

$$交尾率\ (\text{Copulation index},\ \%) = \frac{交尾成立動物数}{同居動物数} \times 100$$

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 50159 および 50162 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.

$$受胎率\ (\text{Fertility index},\ \%) = \frac{受胎動物数}{交尾成立動物数} \times 100$$

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は全例自然分娩させた.

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.

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.

次式から群毎に出産率を算出した.

$$出産率\ (\text{Gestation index},\ \%) = \frac{正常出産雌数}{妊娠雌数} \times 100$$

妊娠期間の算出　：妊娠 0 日から哺育 0 日までの期間の日数を計数した.

着床率の算出　：剖検時に各雌の子宮内の着床痕および卵巣の黄体数を計数した.

次式から腹毎に着床率を算出した.

$$着床率\ (\text{Implantation index},\ \%) = \frac{着床数}{黄体数} \times 100$$

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．次式から腹毎に出生率および生存児の外表異常児出現率を算出した.

$$出生率\ (\text{Birth index},\ \%) = \frac{生後\ 0\ 日の生存児数}{着床数} \times 100$$

外表異常児出現率(%) = (外表異常児数 / 出産生児数) ×100

外表異常児を持つ腹の頻度 = 外表異常児を持つ腹数 / 出産動物数

出産児の性比の算出　：生後 0 および 4 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た．死亡児を含めない生後 0 日の生存児を対象として群毎に以下を算出した．

$$\text{生後 0 日の生存児の性比 (Sex ratio, \%)} = \frac{\text{雄生存児数}}{\text{雄生存児数＋雌生存児数}} \times 100$$

哺育 4 日の哺育率の算出：次式から群毎に算出した．

$$\text{哺育率 (Nursing index, \%)} = \frac{\text{哺育 4 日に生存児を持つ雌数}}{\text{生児出産雌数}} \times 100$$

3.10.2.4　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 4 日 (剖検日) までとした．

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 日および 4 日の新生児生存率を次式から腹毎に算出した．

$$\text{生後 0 日の生存率 (Viability index, \%)} = \frac{\text{生後 0 日の生存児数}}{\text{出産児数}} \times 100$$

$$\text{生後 4 日の生存率 (Viability index, \%)} = \frac{\text{生後 4 日の生存児数}}{\text{生後 0 日の生存児数}} \times 100$$

3.10.2.5　新生児の体重測定

例数･時期　：生存児全例について，生後 0 および 4 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) を用いて個体別に測定し，0.1g まで記録した．
雌雄毎に腹当たりの平均体重を求めた．

3.10.2.6　新生児の剖検

時期･例数　：生後 4 日に全例について実施した．

検査方法　：体外表 (口腔内を含む) を観察し，ペントバルビタールナトリウムの腹腔内投与により安楽死させ，全身の器官･組織を肉眼的に観察した．

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，出生率，妊娠期間および外表異常児出現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 ($p \geqq 0.05$) 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の比較を行った．Kruskal-Wallis 法の解析の結果，有意差がみられた場合 ($p < 0.1$) は Steel の検定法を用い対照群との比較を行った．黄体数，着床率ならびに生後 0 日および 4 日の生存率については別途統計解析システム (三研システム株式会社) および SAS システムを用いて上記と同様の検定を実施した．

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の比較を行った．

性周期の異常の発現率，交尾率，受胎率，出産率，生後 0 日の生存児の性比および外表異常児を持つ腹の頻度については，Fisher の正確確率検定法を用いた．哺育率および病理組織学的検査 (主試験群およびサテライト群) については別途 SAS システムを用いて上記と同様の検定を実施した．

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 検定による等分散の解析を行った．等分散 ($p \geqq 0.05$) 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の比較を行った．

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の比較を行った．

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，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．また，試験途中に死亡した動物については，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)，体重，摂餌量，血液学的検査 (PT，APTT を除く)，血液化学的検査 (A/G 比，蛋白分画を除く)，器官重量，新生児の体重

オフラインデータ　; 機能検査 (自発運動量)，尿検査，血液学的検査 (PT，APTT)，血液化学的検査 (A/G 比，蛋白分画)，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，新生児の一般状態，外表異常および性別

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，100 および 300 mg/kg 群では，いずれの動物にも異常は認められなかった.

1000 mg/kg 群では，投与 6 日に 1 例で口周囲被毛汚染が認められ，投与 7 日の投与前には腹臥となり，死亡した．投与 15 ~ 20 日に 1 例で上切歯破折が認められたが，ケージ内の事故であることから被験物質投与とは関連のない変化と考えられた．その他には異常は認められなかった.

(2) 雌：主試験群

対照群，100 および 1000 mg/kg 群では，いずれの動物にも異常は認められなかった.

300 mg/kg 群では，妊娠 20 日あるいは 22 日以降に，2 例で腋窩または鼠径部に皮下腫瘤が認められた．その他の動物では，異常は認められなかった.

(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は認められなかった.

[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認められなかった.

(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認められなかった.

4.1.2 詳細な状態観察

詳細な状態観察の成績を Table 2-1 ~ 4-5，Appendix 2-1 ~ 4-66 に示す.

[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認められなかった.

(2) 雌：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，いずれの項目にも対照群と比較して有意な差は認められなかった.

[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認められなかった.

(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認められなかった.

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 ~ 5-3，Appendix 5-1 ~ 5-10，握力の成績を Table 6-1 ~ 6-3，Appendix 6-1 ~ 6-10，自発運動量の成績を Table 7-1 ~ 7-3，Appendix 7-1 ~ 7-10 に示す.

[投与期間]

(1) 雄：主試験群 (投与 4 週)

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認められなかった.

(2) 雌：主試験群 (哺育 4 日)

100 および 1000 mg/kg 群では，いずれの検査項目にも被験物質投与群と対照群の間に有意な差は認められなかった.

300 mg/kg 群では，自発運動量の 0-10 分の間に有意な高値がみられたが，1000 mg/kg 群ではその傾向は認められなかったことから，被験物質投与と関連のない変化と考えられた.

(3) 雌：サテライト群 (非交配群，投与 4 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認められなかった.

4.1.4 体重

体重の成績を 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

いずれの被験物質投与群においても，体重および体重増加量に対照群と比較して有意な差は認められなかった.

(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，対照群と比較して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，体重および体重増加量に対照群と比較して有意な差は認められなかった.

[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対照群と比較して有意な差は認められなかった.

(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対照群と比較して有意な差は認められなかった.

4.1.5 摂餌量

摂餌量の成績を 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

いずれの被験物質投与群においても，摂餌量に対照群と比較して有意な差は認められなかった.

(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摂餌量に，対照群と比較して有意な差は認められなかった.

1000 mg/kg 群では，妊娠 20 日の摂餌量に有意な高値が認められたが，同一期間の体重では有意差はなく，被験物質投与との関連はないと考えられた.

(3) 雌：サテライト群 (非交配群)

1000 mg/kg 群では，投与 4 日の摂餌量に対照群と比較して有意な高値が認められたが，投与 7 日以降では有意差は認められなかったことから，偶発的な変動と考えられた.

[回復期間]

(1) 雄：サテライト群

1000 mg/kg 群では，摂餌量に対照群と比較して有意な差は認められなかった.

(2) 雌：サテライト群 (非交配群)

1000 mg/kg 群では，摂餌量に対照群と比較して有意な差は認められなかった.

4.1.6 尿検査

尿検査の成績を Table 10-1 ~ 10-22，Appendix 10-1 ~ 10-40 に示す.

[投与 4 週]

(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認められなかった.

(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認められなかった.

[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認められなかった.

(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認められなかった.

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

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認められなかった.

(2) 雌：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，APTT に対照群と比較して有意な延長がみられた．しかし，個々の値は試験施設の背景データ (平均値 ± 2SD：9.08~17.48 sec，例数：39，試験期間：2015 ~ 2017 年)[6] の範囲内であることから，被験物質投与との関連はないと考えられた．その他の検査項目には有意な差は認められなかった.

[回復期間終了時]

(1) 雄：サテライト群

1000 mg/kg 群では，MCHC，Platelet，Monocyte および Eosinophil 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，いずれの項目も，個々の値は 1 例で Platelet がわずかに逸脱した以外，試験施設の背景データ (平均値 ± 2SD：MCHC，Platelet，Monocyte および Eosinophil でそれぞれ 34.62 ~ 36.66 g/dL，89.14 ~ 132.70 x10^4/μL，0.96 ~ 4.76 x10^2/μL および 0.16 ~ 1.92 x10^2/μL，例数：75，試験期間：2013 ~ 2017 年)[6] の範囲内であることから，被験物質投与との関連はないと考えられた．その他の検査項目には有意な差は認められなかった．

(2) 雌：サテライト群 (非交配群)

1000 mg/kg 群では，Monocyte 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，1 例でわずかに逸脱した以外，試験施設の背景データ (平均値 ± 2SD： 0.11 ~ 2.83 x10^2/μL，例数：70，試験期間：2013 ~ 2017 年)[6] の範囲内であることから，被験物質投与との関連はないと考えられた．その他の検査項目には有意な差は認められなかった．

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

100 mg/kg 群では，UN に対照群と比較して有意な低値がみられたが，1000 mg/kg 群では，認められない変化であることから，被験物質投与との関連はないと考えられた．その他，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認められなかった．

(2) 雌：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，いずれの検査項目にも対照群と比較して有意な差は認められなかった．

[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 UN に有意な高値がみられたが，個々の値は試験施設の背景データ (平均値 ± 2SD：10.27 ~ 17.79 mg/dL，例数：75，試験期間：2013 ~ 2017 年)[6] の範囲内であることから，被験物質投与と関連しない変化と考えられた．その他の検査項目には有意な差は認められなかった．

(2) 雌：サテライト群 (非交配群)

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認められなかった.

4.1.9 病理検査

4.1.9.1 剖検

剖検所見を Table 13-1 ~ 13-7，Appendix 13-1 ~ 13-15 に示す.

[投与期間終了時]

(1) 雄：主試験群

1000 mg/kg 群では，胸腔内に淡黄色油状液体の貯留が 2 例に認められたが，この他の動物には異常は認められなかった．この群では投与 7 日に死亡例が認められ，肺の白色巣，暗赤色化，胸腔に淡黄色油状液体の貯留および心嚢および胸腔内器官の癒着が認められ，投与過誤によると考えられ，生存例で認められた同じ変化についても投与過誤によると考えられた.

対照群，100 および 300 mg/kg 群では，異常所見は認められなかった.

(2) 雌：主試験群

対照群，100 および 1000 mg/kg 群では，異常所見は認められなかった.

300 mg/kg 群では，黄白色の皮下腫瘤が 2 例に認められたが，1000 mg/kg 群では認められないことから，被験物質投与と関連しない変化と考えられた.

(3) 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認められなかった.

[回復期間終了時]

(1) 雄：サテライト群

1000 mg/kg 群では，胸腔内に淡黄色油状液体の貯留が 1 例に認められたが，この他の動物には異常は認められなかった．この変化は，投与過誤によると考えられた.

対照群に異常所見は認められなかった.

(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認められなかった.

4.1.9.2 器官重量

器官重量の成績を Table 14-1 ~ 14-7，Appendix 14-1 ~ 14-20 に示す.

[投与期間終了時]

(1) 雄：主試験群

100 mg/kg 群では，測定したいずれの器官にも対照群と比較して有意な差は認められなかった.

1000 mg/kg 群では，肝臓の相対重量に有意な高値が認められた．

300 mg/kg 群では，腎臓の相対重量に有意な高値，1000 mg/kg 群では，腎臓の絶対および相対重量に有意な高値が認められた．

その他の器官には，有意な差は認められなかった．

(2) 雌：主試験群

100 および 1000 mg/kg 群では，測定したいずれの器官にも対照群と比較して有意な差は認められなかった．

300 mg/kg 群では，卵巣の相対重量に有意な高値が認められたが，絶対重量には差はなかったことから，被験物質投与とは関連のない変化と考えられた．

その他の器官には，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，測定したいずれの器官にも対照群と比較して有意な差は認められなかった．

[回復期間終了時]

(1) 雄：サテライト群

1000 mg/kg 群では，測定したいずれの器官にも対照群と比較して有意な差は認められなかった．

(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，対照群と比較して有意な差は認められなかった．

4.1.9.3 病理組織学的検査

病理組織学的所見を Table 15-1 ~ 15-26，Appendix 15-1 ~ 15-31 に示す．

[投与期間終了時]

(1) 雄：主試験群

全群検査した雄の腎臓では，100 mg/kg 以上の群で腎臓の近位尿細管上皮の硝子滴 (軽微 ~ 重度) がほぼ全例にみられ，対照群と比較して有意な増加が認められた．代表例の抗 α 2u-Globulin 抗体による免疫組織科学的検索の結果，陽性を示した．

腎臓の硝子円柱 (軽微，全群；1 ~ 3 例)，間質リンパ球浸潤 (軽微，100 mg/kg 以上の群；1 あるいは 2 例)，鉱質沈着 (軽微，100 mg/kg 群 1 例) または尿細管の好塩基性化 (軽微，全群；2 ~ 8 例) に認められた．このうち，腎臓の硝子円柱，間質リンパ球浸潤および鉱質沈着は，対照群 (回復群含む) にも認められる変化であり，用量に依存した頻度の増加はみられないことから，被験物質投与とは関連のない変化と考えられた．尿細管の好塩基性化につい

ては，対照群と 1000 mg/kg 群では，発現頻度に差はなかったが，300 mg/kg 群では発現頻度が高かった．

1000 mg/kg 群では，肺の動脈鉱質沈着 (軽微)，肺胞マクロファージ集族 (軽微)，肝臓の小肉芽腫 (軽微)，心臓の巣状炎症性細胞浸潤 (軽微)，前立腺のリンパ球浸潤 (軽微)，甲状腺の鰓後体 (軽微) が散見された．しかし，いずれの変化も対照群にも認められる変化あるいは 1 例のみの変化であることから，被験物質投与との関連はないと考えられた．

1000 mg/kg 群の死亡例では，生存例と同様に腎臓の近位尿細管上皮の硝子滴 (重度)，間質リンパ球浸潤 (軽微)，鉱質沈着 (軽微) および尿細管の好塩基性化 (軽微) がみられた．この動物では，心臓の巣状炎症性細胞浸潤 (軽微)，肝臓の小葉中心性壊死 (軽微)，下垂体の前葉嚢胞 (軽微)，前立腺のリンパ球浸潤 (軽微) がみられたが，対照群にも認められる変化あるいは生存例には認められない変化であることから，被験物質投与との関連はないと考えられた．さらに肺の炎症細胞浸潤 (軽微)，胸腺の萎縮 (軽微) および炎症 (軽微)，心嚢炎 (軽微) がみられたが，これらの変化は投与過誤によるものと考えられた．

対照群のみの所見として，腎臓の嚢胞 (軽微)，精巣上体の精子肉芽腫 (軽微)，下垂体の前葉または中間葉嚢胞 (軽微) が各 1 例に認められた．

(2) 雌：主試験群

1000 mg/kg 群では，肺の動脈鉱質沈着(軽微)，肝臓の小肉芽腫(軽微)，腎臓の間質リンパ球浸潤(軽微)，パイエル板の鉱質沈着(軽微)，甲状腺の鰓後体(軽微)，乳腺の巣状細胞浸潤(軽微)が認められた．しかし，これらは 1 例のみの発現あるいは対照群または試験施設の背景データ [7]に認められる所見であり，被験物質投与と関連のない変化と考えられた．

対照群のみの所見として，肺胞マクロファージ集族(軽微)，腎盂炎(軽微)，腎臓の鉱質沈着(軽微)，下垂体の中間葉嚢胞(軽微) が 1 または 2 例にみられた．また，対照群の不妊動物では，肝臓の小葉周辺性空砲化(軽微)が 1 例にみられた．

(3) 雌：サテライト群 (非交配群)

1000 mg/kg 群では，肝臓の小葉周辺性空砲化(軽微)および小肉芽腫(軽微)，甲状腺の鰓後体(軽微) が認められた．これらの変化は，対照群に認められる変化であり，発現頻度の増加も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

1000 mg/kg 群の腎臓では，近位尿細管上皮の硝子滴はみられなかったが，尿細管の好塩基性化(軽微)の発現頻度が有意に高かった．その他，鉱質沈着(軽微)がみられたが，対照群にもみられる変化であった．

対照群のみの所見として腎臓の硝子円柱(軽微)，間質リンパ球浸潤(軽微)が 2~3 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 16，Appendix 16-1 ~ 16-8 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認められなかった.

4.2.2 生殖能検査

生殖能検査の成績を Table 17-1 および 17-2，Appendix 17-1 ~ 17-8 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認められなかった.

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 18-1 ~ 18-3，Appendix 18-1 ~ 18-12 に示す.

妊娠黄体数，着床数，着床率，出生率，妊娠期間，出産率，出産児数，出産児の死亡児数，ならびに哺育 4 日の哺育率には，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認められなかった.

100 および 300 mg/kg 群の出産児の雄の生存児数および 100 mg/kg 群の性比に，有意な高値が認められたが，1000 mg/kg 群ではその傾向はないことから，偶発的な変化と考えられた.

なお，いずれの出産生児にも外表異常は認められなかった.

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 19 および 20，Appendix 19-1 ~ 19-8 および 20-1 ~ 20-4 に示す.

生後 0 日から 4 日の一般状態に，対照群を含むいずれの試験群においても，異常は認められなかった.

生後 0 日および 4 日の生存率には，被験物質投与群と対照群の間に有意な差は認められなかった.

4.2.5 新生児の体重

新生児の体重の成績を Figure 3，Table 21，Appendix 21-1 ~ 21-4 に示す.

生後 0 および 4 日の体重には，雌雄とも被験物質投与群と対照群の間に有意な差は認められなかった.

4.2.6 新生児の剖検

新生児の剖検の成績を Table 22，Appendix 22-1 ~ 22-4 に示す.

生後 4 日の生存児の剖検では，1000 mg/kg 群の 1 例の肝臓に限局性黄白色巣が認められたが，その発生頻度から被験物質投与とは関連のない変化と考えられた．生後 0-4 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認められなかった.

5 考察

5.1 反復投与毒性

100，300 および 1000 mg/kg 群では，投与期間中の一般状態，体重，体重増加量および摂餌量，詳細な状態観察，機能検査，尿検査，血液学的検査，血液化学的検査および剖検には，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.

雄の腎臓では，300 mg/kg 以上の群で絶対あるいは相対重量に有意な高値がみられ，病理組織学的検査では，100 mg/kg 以上の群で近位尿細管上皮の硝子滴がほぼ全例にみられ，発現頻度が有意に高かった．抗α2u-Globulin 抗体による免疫組織科学的検索で陽性であったことから，α2u-Globulin 腎症を発症したと考えられた．この変化は，α2u-Globulin を含む蛋白の再吸収像であり，正常な成熟雄ラットでしばしばみられる変化である．種々の化学物質投与ではα2u-Globulin の異常な蓄積が誘発され，雄ラットにおいては特異的な変化であることが知られている．α2u-Globulin はヒトには存在せず，外挿されないことから [8)]，毒性学的な意義はないと考えられた．回復群の雄では，近位尿細管上皮の硝子滴は回復性がみられたものの，尿細管の好塩基性化 (軽微) の発現頻度が有意に高かった．この変化は，上皮細胞が傷害された後の修復過程でみられる近位尿細管上皮の硝子滴の過剰な蓄積に伴う変化と考えられた．尿細管の好塩基性化は，投与終了時にもみられており，300 mg/kg 群で発現頻度が高かった．回復群と同様に近位尿細管上皮の硝子滴に関連する変化である可能性が考えられた.

肝臓では，1000 mg/kg 群の雄で器官重量に有意な高値がみられたが，肝機能および病理組織学的検査では，関連する変化は認められなかったことから，毒性学的に意義のない変化と考えられた.

以上のように，雄の腎臓では 100 mg/kg 以上の用量で近位尿細管上皮の硝子滴がみられたが，雄ラット特有のα2u-Globulin 腎症と考えられた．その他には雌雄とも 1000 mg/kg の用量まで毒性を示唆する変化は認められなかった．したがって，本試験条件下における 2-メチルペンタンの反復投与毒性に関する無影響量 (NOEL) は，雄では 100 mg/kg/day 未満，雌では 1000 mg/kg/day，無毒性量 (NOAEL) は雌雄とも 1000 mg/kg/day であると考えられた.

5.2 生殖発生毒性

生殖能検査では，1000 mg/kg 群まで，性周期の異常の発現率，発情期間隔および発情回数，交尾率，受胎率，交尾所要日数，妊娠黄体数，着床数，着床率，出生率，妊娠期間，出産率，出産児数，出産児の生存児数および死亡児数ならびに哺育 4 日の哺育率には，被験物質投与に関連する変化はみられなかった．

新生児の体重，一般状態，生存率，性比および剖検では，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．

以上のように，1000 mg/kg 群まで，親動物の生殖能および新生児の発生に被験物質投与に関連した変化は認められなかったため，本試験条件下における 2-メチルペンタンの親動物の生殖に対する無影響量 (NOEL) および無毒性量 (NOAEL) ならびに新生児の発生に対する無影響量 (NOEL) および無毒性量 (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

雄の最終回投与に使用する調製液の濃度分析値が基準を外れたため，濃度分析値が基準を外れた投与液は使用せず，再度最終回投与に使用する調製液を調製し，分析を実施した．また，再調製を急遽実施したため，前日から冷蔵したトウモロコシ油を使用することができず，冷蔵していないトウモロコシ油を使用した．再分析値は，基準内であり，試験成績の信頼性への影響はないと判断した．

本被験物質は，沸点が低く，常温でも高用量の濃度では揮発する懸念があったため，調製する順序は，高用量から低用量の順に実施（投与液の安定性分析用）したが，その旨を試験計画書に記載されておらず，試験計画書に引用した標準操作手順書では原則的に高用量から低用量の順に調製すると記載されていた．このため，標準操作手順書からの逸脱となったが，分析の結果は基準内の値が得られており，高用量から低用量の順に調製する旨を試験計画書変更書にて記載したことから，試験成績の信頼性への影響はないと判断した．

投与 4 週の尿検査において，3 例 (動物番号 10209，10412，50558)では，新鮮尿が採取できなかったため，21 時間蓄尿が終了した後，再度新鮮尿を採取し，マルティスティックスによる定性検査を実施した．欠測データはないことから，試験成績の信頼性への影響はないと判断した．

その他，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 10 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.

8 参考資料

1) 安全データシート 2-Methylpentane. 東京化成工業株式会社
2) 東京化成工業株式会社ホームページ. オンラインカタログ 2-Methylpentane
3) 国際化学物質安全性カード. 2-メチルペンタン. 1995 年
4) 試験成績書 2-Methylpentane. 東京化成工業株式会社
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6) 血液学的検査/血液化学的検査 背景データ Crl:CD(SD) ラット(雌雄：14 ~ 16 週齢) (2013-2017) 株式会社化合物安全性研究所 社内資料
7) Historical data of Crl:CD(SD) male and female rats: Histopathological findings (2012-2018) 株式会社化合物安全性研究所 社内資料
8) 日本毒性病理学会編. 新毒性病理組織学. 西村書店. 東京. 2017 年

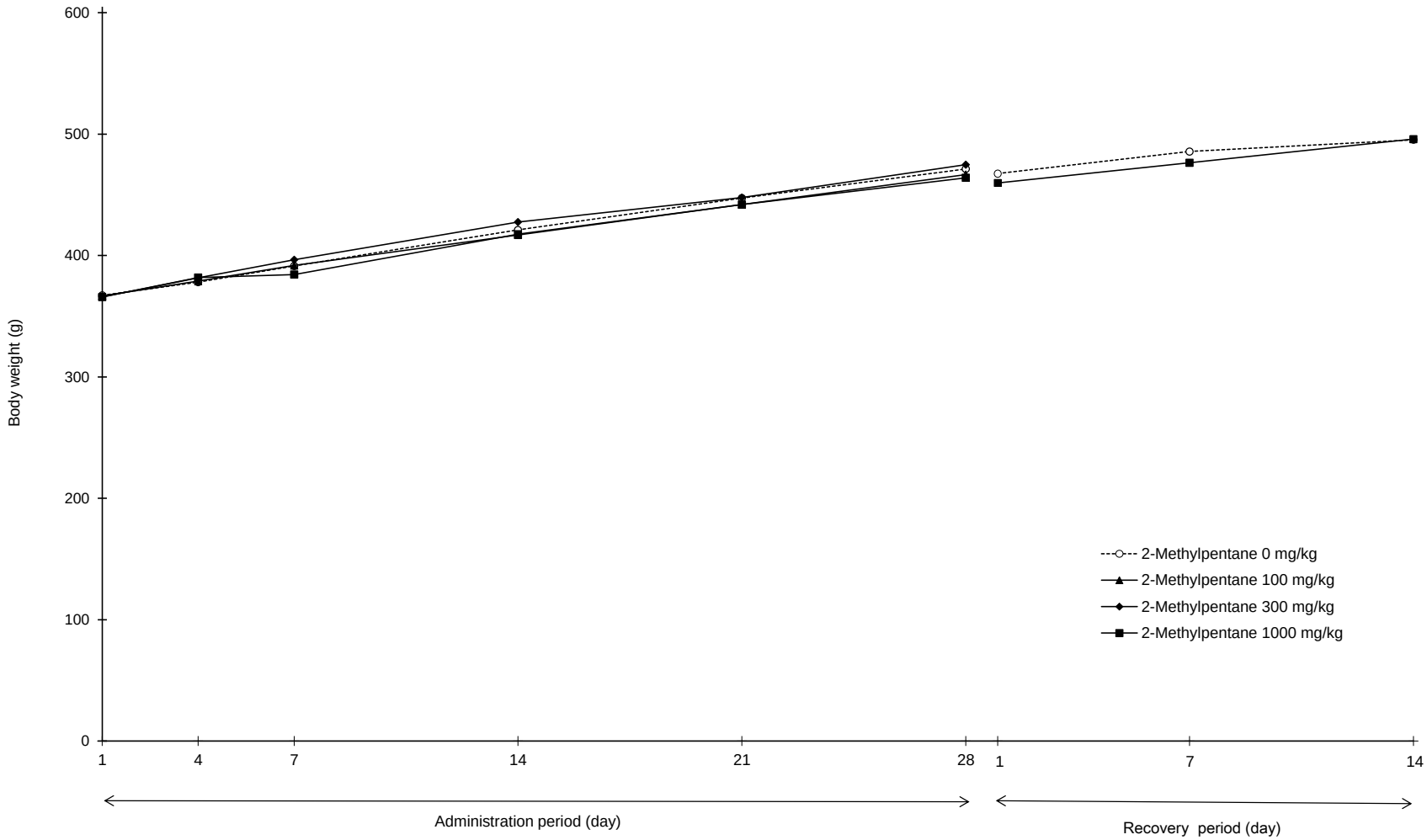
Figure 1 - 1

Study No. : SR17148

Body weight, Male

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

Species : Rat



Not significantly different from 2-Methylpentane 0 mg/kg

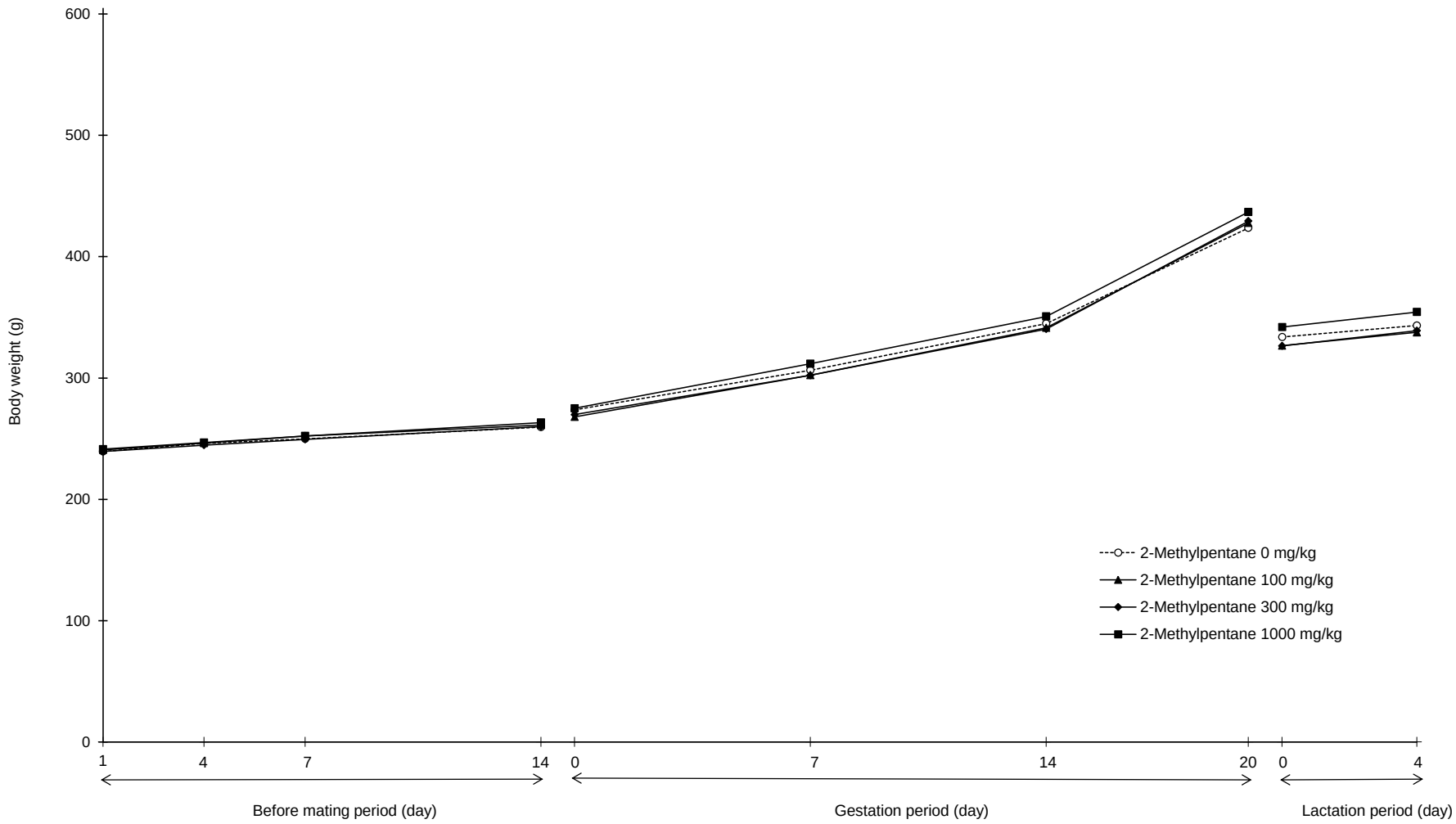
Figure 1 - 2

Study No. : SR17148

Body weight, Female

Period : F0 before mating Day 1-14, F0 gestation Day 0-20, F0 lactation Day 0-4

Species : Rat



Not significantly different from 2-Methylpentane 0 mg/kg

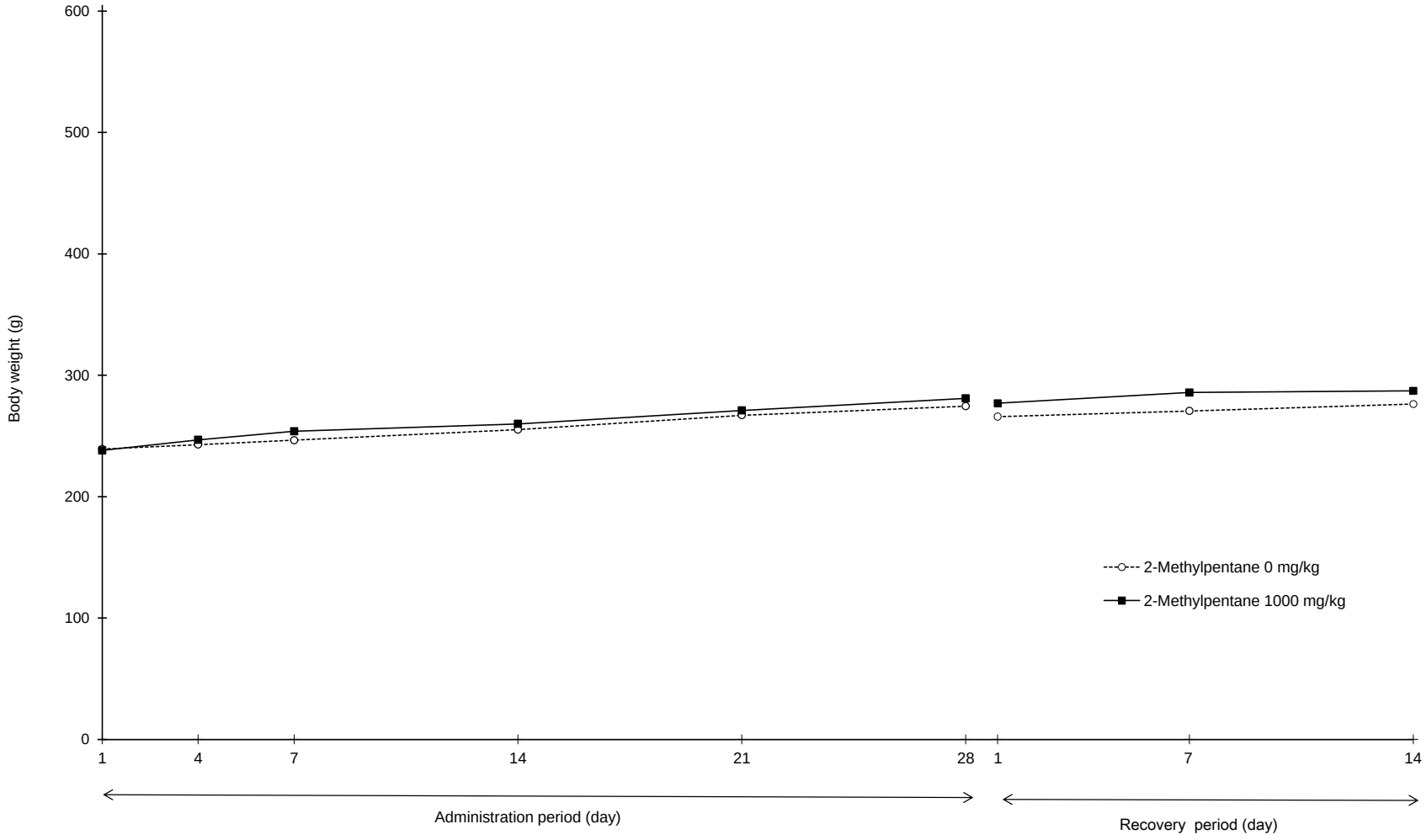
Figure 1 - 3

Study No. : SR17148

Body weight, Female (satellite)

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

Species : Rat



Not significantly different from 2-Methylpentane 0 mg/kg

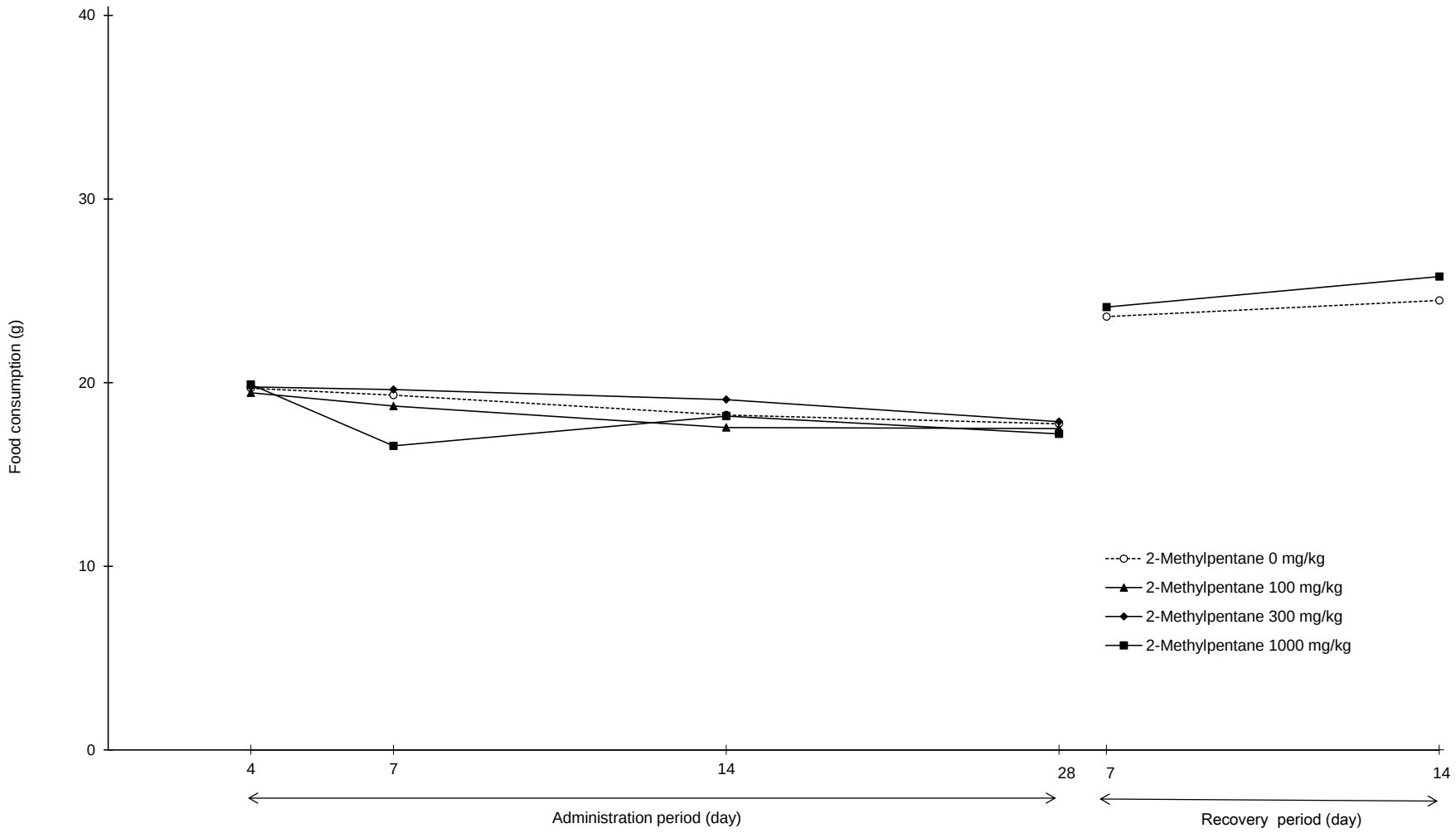
Figure 2 - 1

Study No. : SR17148

Food consumption, Male

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

Species : Rat



Not significantly different from 2-Methylpentane 0 mg/kg

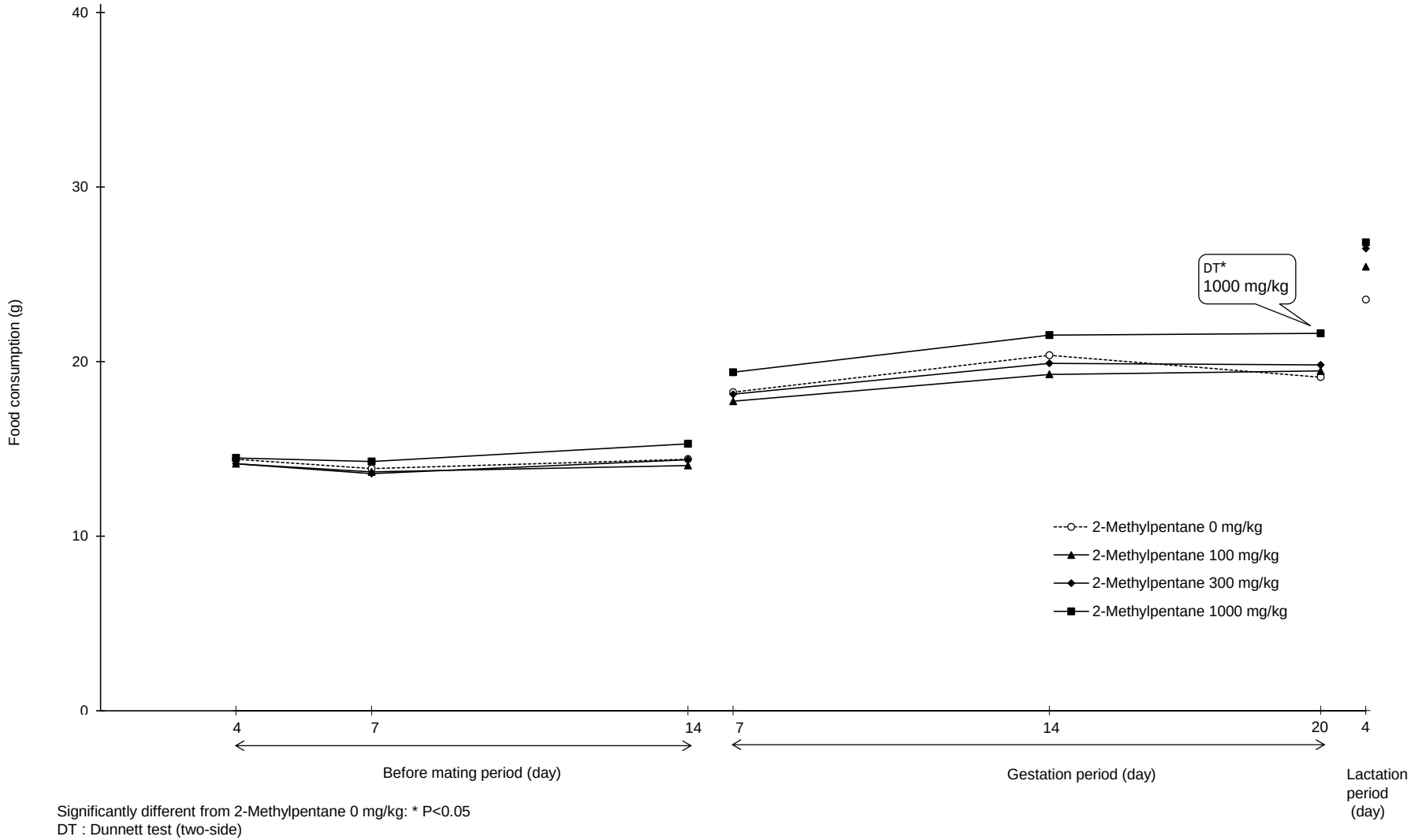
Figure 2 - 2

Study No. : SR17148

Food consumption, Female

Period : F0 before mating Day 1-14, F0 gestation Day 0-20, F0 lactation Day 0-4

Species : Rat



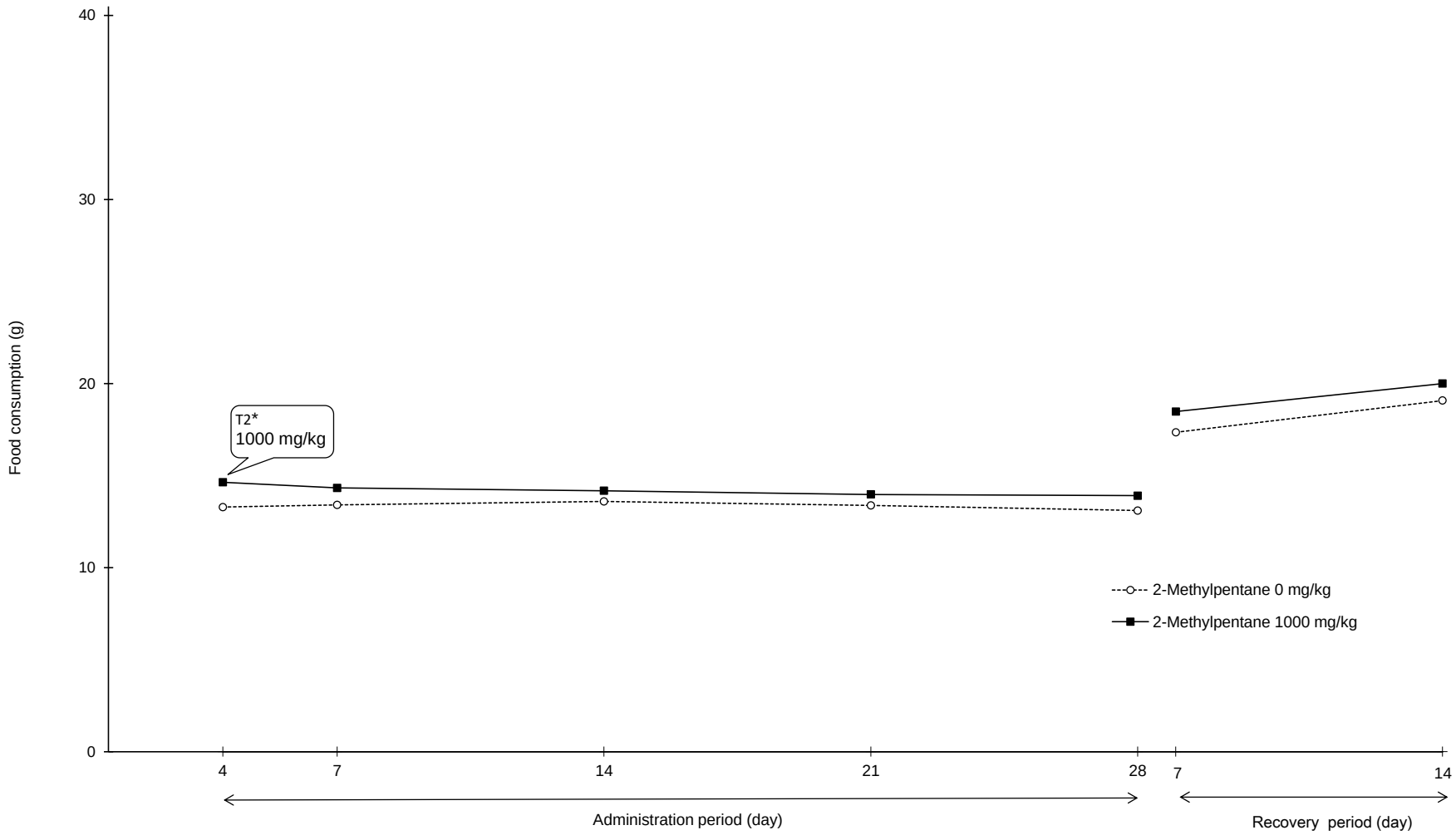
Significantly different from 2-Methylpentane 0 mg/kg: * P<0.05
DT : Dunnett test (two-side)

Figure 2 - 3

Study No. : SR17148

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

Species : Rat



Significantly different from 2-Methylpentane 0 mg/kg: * P<0.05
T2 : Student t-test (two-side)

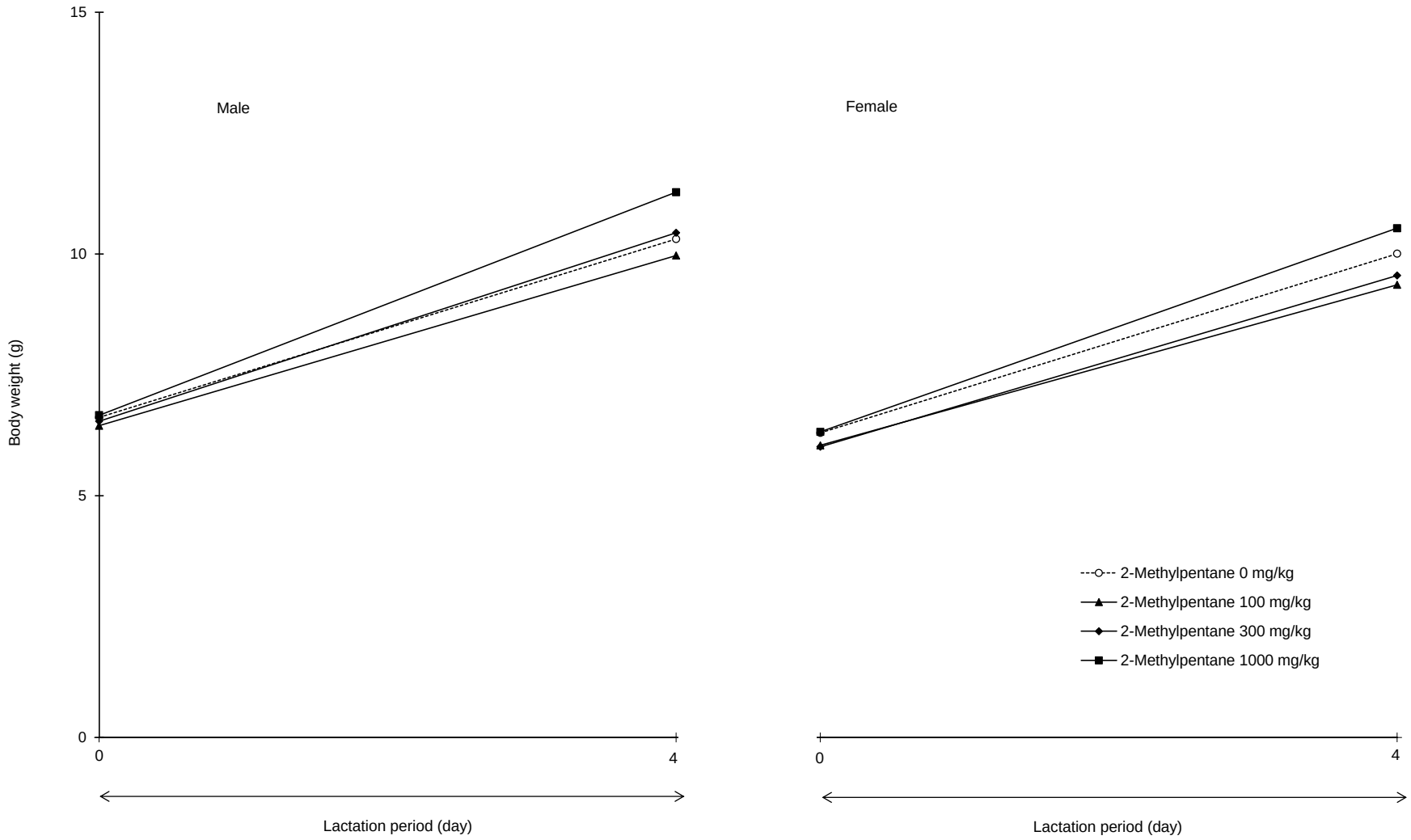
Figure 3

Study No. : SR17148

Body weight of offspring

Period : Postnatal Day 0-4

Species : Rat



Not significantly different from 2-Methylpentane 0 mg/kg

Table 1 - 1

Study No. : SR17148

Clinical sign

Period : Administration Day 1-29

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
2-Methylpentane	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
2-Methylpentane	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
2-Methylpentane	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
2-Methylpentane	n		12	12	12	12	12	12	12	12	12	12	12	12	12	11	11	11
1000 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11
	Death		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Prone position		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Soil of perioral fur		0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
	Crushing of incisors (F3)		0	0	0	0	0	0	0	0	0	0	0	0	0	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
2-Methylpentane	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
2-Methylpentane	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
2-Methylpentane	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
2-Methylpentane	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	10	10	10	10
	Death		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Prone position		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Soil of perioral fur		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Crushing of incisors (F3)		0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1

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
2-Methylpentane	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
2-Methylpentane	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
2-Methylpentane	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
2-Methylpentane	n		11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1000 mg/kg	No abnormality		10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11
	Death		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Prone position		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Soil of perioral fur		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Crushing of incisors (F3)		1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0

Administration)1 : Before administration, 2 : After administration

F3:Upper incisor

Table 1 - 2

Study No. : SR17148

Clinical sign

Period : Administration Day 1-29

Sex : Male

Species : Rat

Test article		Day	25		26		27		28		29
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	3
2-Methylpentane	n		12	12	12	12	12	12	12	12	7
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	7
2-Methylpentane	n		12	12	12	12	12	12	12	12	12
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12
2-Methylpentane	n		12	12	12	12	12	12	12	12	12
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12
2-Methylpentane	n		11	11	11	11	11	11	11	11	6
1000 mg/kg	No abnormality		11	11	11	11	11	11	11	11	6
	Death		0	0	0	0	0	0	0	0	0
	Prone position		0	0	0	0	0	0	0	0	0
	Soil of perioral fur		0	0	0	0	0	0	0	0	0
	Crushing of incisors (F3)		0	0	0	0	0	0	0	0	0

Administration)1 : Before administration, 2 : After administration, 3 : Necropsy day
F3:Upper incisor

Table 1 - 3

Study No. : SR17148

Clinical sign

Period : F0 before mating Day 1-14, F0 mating Day 15-27

Sex : Female

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
2-Methylpentane	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
2-Methylpentane	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
2-Methylpentane	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
2-Methylpentane	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
2-Methylpentane	n		12	12	12	12	12	12	12	12	12	12	12	12	5	5	3	3
0 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	5	5	3	3
2-Methylpentane	n		12	12	12	12	12	12	12	12	12	12	12	12	8	8	6	6
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	8	8	6	6
2-Methylpentane	n		12	12	12	12	12	12	12	12	12	12	12	12	9	9	6	6
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	9	9	6	6
2-Methylpentane	n		12	12	12	12	12	12	12	12	12	12	12	12	7	7	5	5
1000 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	7	7	5	5

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
2-Methylpentane	n		3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1
0 mg/kg	No abnormality		3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1
2-Methylpentane	n		5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100 mg/kg	No abnormality		5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-Methylpentane	n		5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300 mg/kg	No abnormality		5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-Methylpentane	n		5	5	2	2	2	2	2	2	2	2	1	1	1	1	1	1
1000 mg/kg	No abnormality		5	5	2	2	2	2	2	2	2	2	1	1	1	1	1	1

Test article		Day	25		26		27	
Dose	Clinical signs	Time	1	2	1	2	1	2
2-Methylpentane	n		1	1	1	1	1	1
0 mg/kg	No abnormality		1	1	1	1	1	1
2-Methylpentane	n		0	0	0	0	0	0
100 mg/kg	No abnormality		0	0	0	0	0	0
2-Methylpentane	n		0	0	0	0	0	0
300 mg/kg	No abnormality		0	0	0	0	0	0
2-Methylpentane	n		1	1	1	1	1	1
1000 mg/kg	No abnormality		1	1	1	1	1	1

F0 before mating, F0 mating)1 : Before administration, 2 : After administration

Table 1 - 4

Study No. : SR17148

Clinical sign

Period : F0 gestation Day 0-23

Sex : Female

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
2-Methylpentane	n		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
2-Methylpentane	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
2-Methylpentane	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
	Mass of subcutaneous (H9,J3)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-Methylpentane	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	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
2-Methylpentane	n		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
2-Methylpentane	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
2-Methylpentane	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
	Mass of subcutaneous (H9,J3)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2-Methylpentane	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	16		17		18		19		20		21		22		23	
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
2-Methylpentane	n		10	10	10	10	10	10	10	10	10	10	10	10	1	1	1	1
0 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	10	10	1	1	1	1
2-Methylpentane	n		12	12	12	12	12	12	12	12	12	12	12	12	3	3	0	0
100 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	3	3	0	0
2-Methylpentane	n		12	12	12	12	12	12	12	12	12	12	12	12	3	3	0	0
300 mg/kg	No abnormality		12	12	12	12	12	12	12	12	11	11	11	11	2	2	0	0
	Mass of subcutaneous (H9,J3)		0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
2-Methylpentane	n		12	12	12	12	12	12	12	12	12	12	12	12	4	4	0	0
1000 mg/kg	No abnormality		12	12	12	12	12	12	12	12	12	12	12	12	4	4	0	0

F0 gestation)1 : Before administration, 2 : After administration

H9:Left axilla, J3:Left inguina

Table 1 - 5

Study No. : SR17148

Clinical sign

Period : F0 lactation Day 0-5

Sex : Female

Species : Rat

Test article		Day	0		1		2		3		4		5
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	3
2-Methylpentane	n		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
2-Methylpentane	n		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
2-Methylpentane	n		12	12	12	12	12	12	12	12	12	12	12
300 mg/kg	No abnormality		10	10	10	10	10	10	10	10	10	10	10
	Mass of subcutaneous (H9,J3)		2	2	2	2	2	2	2	2	2	2	2
2-Methylpentane	n		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

F0 lactation)1 : Before administration, 2 : After administration, 3 : Necropsy day

H9:Left axilla, J3:Left inguina

Table 1 - 6

Study No. : SR17148

Clinical sign

Period : Administration Day 1-29

Sex : Female (satellite)

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
2-Methylpentane	n			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
2-Methylpentane	n			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

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
2-Methylpentane	n			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
2-Methylpentane	n			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

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
2-Methylpentane	n			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
2-Methylpentane	n			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

Test article			Day	25		26		27		28		29
Dose		Clinical signs	Time	1	2	1	2	1	2	1	2	3
2-Methylpentane	n			10	10	10	10	10	10	10	10	5
0 mg/kg	No abnormality			10	10	10	10	10	10	10	10	5
2-Methylpentane	n			10	10	10	10	10	10	10	10	5
1000 mg/kg	No abnormality			10	10	10	10	10	10	10	10	5

Administration)1 : Before administration, 2 : After administration, 3 : Necropsy day

Table 1 - 7

Study No. : SR17148

Clinical sign

Period : Recovery Day 1-15

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
2-Methylpentane	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
2-Methylpentane	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			Day	9		10		11		12		13		14		15
Dose		Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	3
2-Methylpentane	n			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
2-Methylpentane	n			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

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

Table 1 - 8

Study No. : SR17148

Clinical sign

Period : Recovery Day 1-15

Sex : Female (satellite)

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
2-Methylpentane	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
2-Methylpentane	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		Day	9		10		11		12		13		14		15
Dose	Clinical signs	Time	1	2	1	2	1	2	1	2	1	2	1	2	3
2-Methylpentane	n		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
2-Methylpentane	n		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

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

Table 2 - 1

Study No. : SR17148

Detailed clinical observation (in the cage)

Sex : Male

Species : Rat

Stage	Group		Body position/ Posture 1	Respiratory pattern 1	Tremor/ Convulsion 1	Stereotype Rolling 0	Stereotype Repetitive circling 0	Bizarre behavior 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	11	11	11	11	11	11
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	11	11	11	11	11	11
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	11	11	11	11	11	11
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	11	11	11	11	11	11

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.
Not significantly different from 2-Methylpentane 0 mg/kg

Table 2 - 2

Study No. : SR17148

Detailed clinical observation (in the cage)

Sex : Female

Species : Rat

Stage	Group		Body position/ Posture 1	Respiratory pattern 1	Tremor/ Convulsion 1	Stereotype Rolling 0	Stereotype Repetitive circling 0	Bizarre behavior 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
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	5	5	5	5	5	5
	100 mg/kg	n	10	10	10	10	10	10
	300 mg/kg	n	10	10	10	10	10	10
	1000 mg/kg	n	8	8	8	8	8	8

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.
Not significantly different from 2-Methylpentane 0 mg/kg

Table 2 - 3

Study No. : SR17148

Detailed clinical observation (in the cage)

Sex : Female (satellite)

Species : Rat

Stage	Group		Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Stereotype Rolling	Stereotype Repetitive circling	Bizarre behavior Self biting
			1	1	1	0	0	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;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.
Not significantly different from 2-Methylpentane 0 mg/kg

Table 2 - 4

Study No. : SR17148

Detailed clinical observation (in the cage)

Sex : Male

Species : Rat

Stage	Group		Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Stereotype		Bizarre behavior
						Rolling	Repetitive circling	Self biting
			1	1	1	0	0	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;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.
Not significantly different from 2-Methylpentane 0 mg/kg

Table 2 - 5

Study No. : SR17148

Detailed clinical observation (in the cage)

Sex : Female (satellite)

Species : Rat

Stage	Group		Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Stereotype		Bizarre behavior
						Rolling	Repetitive circling	Self biting
			1	1	1	0	0	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;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.
Not significantly different from 2-Methylpentane 0 mg/kg

Table 3 - 1

Study No. : SR17148

Detailed clinical observation (on the hand)

Sex : Male

Species : Rat

Stage	Group		Ease of Removal 1	Ease of Handling 1	Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions 0
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	11	11	11	11	11	11	11	11	11	11	11	11
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	11	11	11	11	11	11	11	11	11	11	11	11
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	11	11	11	11	11	11	11	11	11	11	11	11
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	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 2-Methylpentane 0 mg/kg

Table 3 - 2

Study No. : SR17148

Detailed clinical observation (on the hand)

Sex : Female

Species : Rat

Stage	Group		Ease of Removal 1	Ease of Handling 1	Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Mucous membranes 1	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions 0
Pre	0 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
Day 7	0 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	12	12	11	1	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
Day 21	0 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
Day 28	0 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
Day 35	0 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	12	12	0	12	12	12	12	12
Day 42	0 mg/kg	n	5	5	5	5	5	5	5	0	5	5	5	5	5
	100 mg/kg	n	10	10	10	10	10	10	10	0	10	10	10	10	10
	300 mg/kg	n	10	10	10	10	10	10	10	0	10	10	10	10	10
	1000 mg/kg	n	8	8	8	8	8	8	8	0	8	8	8	8	8

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 2-Methylpentane 0 mg/kg

Table 3 - 3

Study No. : SR17148

Detailed clinical observation (on the hand)

Sex : Female (satellite)

Species : Rat

Stage	Group		Ease of Removal 1	Ease of Handling 1	Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions 0
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 2-Methylpentane 0 mg/kg

Table 3 - 4

Study No. : SR17148

Detailed clinical observation (on the hand)

Sex : Male

Species : Rat

Stage	Group		Ease of Removal 1	Ease of Handling 1	Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions 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 2-Methylpentane 0 mg/kg

Table 3 - 5

Study No. : SR17148

Detailed clinical observation (on the hand)
Sex : Female (satellite)

Species : Rat

Stage	Group		Ease of Removal 1	Ease of Handling 1	Muscle tone 2	Piloerection 1	Fur 1	Eyes 1	Mucous membranes 0	Skin 1	Pupil size 1	Lacrimation 1	Salivation 1	Secretions/ Excretions 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 2-Methylpentane 0 mg/kg

Table 4 - 1

Study No. : SR17148

Detailed clinical observation (in the open-field)

Sex : Male

Species : Rat

Stage	Group		Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination		Defecation		Stereotype: Excessive grooming	Stereotype: Unusual head movement	Bizarre behavior: Walking backward	Bizarre behavior: Vocaliza-tion	Aggression
			1	1	1	1	0	1	0	1	0	0	1	1	1
Pre	0 mg/kg	n	12	12	12	12	6	6	6	6	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	10	2	8	4	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	8	4	7	5	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	7	5	6	6	12	12	12	12	12
Day 7	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	11	1	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	9	3	9	3	12	12	12	12	12
	1000 mg/kg	n	11	11	11	11	11	0	9	2	11	11	11	11	11
Day 14	0 mg/kg	n	12	12	12	12	10	2	10	2	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	10	2	12	12	12	12	12
	1000 mg/kg	n	11	11	11	11	11	0	10	1	11	11	11	11	11
Day 21	0 mg/kg	n	12	12	12	12	8	4	10	2	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	8	4	10	2	12	12	12	12	12
	1000 mg/kg	n	11	11	11	11	9	2	10	1	11	11	11	11	11
Day 28	0 mg/kg	n	12	12	12	12	9	3	12	0	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	10	2	12	0	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	10	2	11	1	12	12	12	12	12
	1000 mg/kg	n	11	11	11	11	10	1	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.
Not significantly different from 2-Methylpentane 0 mg/kg

Table 4 - 2

Study No. : SR17148

Detailed clinical observation (in the open-field)

Sex : Female

Species : Rat

Stage	Group		Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination		Defecation		Stereotype: Excessive grooming	Stereotype: Unusual head movement	Bizarre behavior: Walking backward	Bizarre behavior: Vocalization	Aggression
			1	1	1	1	0	1	0	1	0	0	1	1	1
Pre	0 mg/kg	n	12	12	12	12	10	2	12	0	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	9	3	11	1	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	8	4	10	2	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	8	4	10	2	12	12	12	12	12
Day 7	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	11	1	11	1	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	11	1	10	2	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	12	0	11	1	12	12	12	12	12
Day 14	0 mg/kg	n	12	12	12	12	7	5	12	0	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	10	2	11	1	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	12	0	12	12	12	12	12
	100 mg/kg	n	12	12	12	12	10	2	11	1	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	10	2	11	1	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12
Day 28	0 mg/kg	n	12	12	12	12	10	2	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	12	0	12	0	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	11	1	12	0	12	12	12	12	12
Day 35	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	11	1	12	12	12	12	12
	300 mg/kg	n	12	12	12	12	10	2	11	1	12	12	12	12	12
	1000 mg/kg	n	12	12	12	12	9	3	10	2	12	12	12	12	12
Day 42	0 mg/kg	n	5	5	5	5	4	1	5	0	5	5	5	5	5
	100 mg/kg	n	10	10	10	10	10	0	10	0	10	10	10	10	10
	300 mg/kg	n	10	10	10	10	8	2	9	1	10	10	10	10	10
	1000 mg/kg	n	8	8	8	8	8	0	8	0	8	8	8	8	8

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 2-Methylpentane 0 mg/kg

Table 4 - 3

Study No. : SR17148

Detailed clinical observation (in the open-field)
Sex : Female (satellite)

Species : Rat

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

Table 4 - 4

Study No. : SR17148

Detailed clinical observation (in the open-field)

Sex : Male

Species : Rat

Stage	Group		Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination		Defecation		Stereotype		Bizarre behavior		Aggression
											Excessive grooming	Unusual head movement	Walking backward	Vocaliza-tion	
			1	1	1	1	0	1	0	1	0	0	1	1	1
Recovery Day 7	0 mg/kg	n	5	5	5	5	4	1	5	0	5	5	5	5	5
	1000 mg/kg	n	5	5	5	5	4	1	4	1	5	5	5	5	5
Recovery Day 14	0 mg/kg	n	5	5	5	5	4	1	5	0	5	5	5	5	5
	1000 mg/kg	n	5	5	5	5	4	1	5	0	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 2-Methylpentane 0 mg/kg

Table 4 - 5

Study No. : SR17148

Detailed clinical observation (in the open-field)
Sex : Female (satellite)

Species : Rat

Stage	Group		Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination		Defecation	Stereotype		Bizarre behavior		Aggression
										Excessive grooming	Unusual head movement	Walking backward	Vocaliza-tion	
			1	1	1	1	0	1	0	0	0	1	1	1
Recovery Day 7	0 mg/kg	n	5	5	5	5	5	0	5	5	5	5	5	5
	1000 mg/kg	n	5	5	5	5	4	1	5	5	5	5	5	5
Recovery Day 14	0 mg/kg	n	5	5	5	5	4	1	5	5	5	5	5	5
	1000 mg/kg	n	5	5	5	5	4	1	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 2-Methylpentane 0 mg/kg

Table 5 - 1

Study No. : SR17148

Functional observations (on the desk)

Stage : Week 4

Sex : Male

Species : Rat

Group		Reactivity					Righting reflex
		Visual	Touch	Auditory	Pain	Proprioceptive	
		4	2	1	2	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 2-Methylpentane 0 mg/kg

Table 5 - 2

Study No. : SR17148

Functional observations (on the desk)

Stage : Lactation day 4

Sex : Female

Species : Rat

Group		Reactivity					Righting reflex
		Visual	Touch	Auditory	Pain	Proprioceptive	
		4	2	1	2	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 2-Methylpentane 0 mg/kg

Table 5 - 3

Study No. : SR17148

Functional observations (on the desk)

Stage : Week 4

Sex : Female (satellite)

Species : Rat

Group		Reactivity					Righting reflex
		Visual	Touch	Auditory	Pain	Proprioceptive	
		4	2	1	2	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 2-Methylpentane 0 mg/kg

Table 6 - 1

Study No. : SR17148

Grip strength

Stage : Week 4

Sex : Male

Species : Rat

Test article Dose		Forelimb g	Hindlimb g
2-Methylpentane	n	5	5
0 mg/kg	Mean	1274.20	457.92
	S.D.	91.26	21.82
2-Methylpentane	n	5	5
100 mg/kg	Mean	1158.06	443.06
	S.D.	162.20	53.52
2-Methylpentane	n	5	5
300 mg/kg	Mean	1322.48	501.60
	S.D.	169.14	52.57
2-Methylpentane	n	5	5
1000 mg/kg	Mean	1147.66	472.74
	S.D.	113.90	70.60

Not significantly different from 2-Methylpentane 0 mg/kg

Table 6 - 2

Study No. : SR17148

Grip strength

Stage : Lactation Day 4

Sex : Female

Species : Rat

Test article Dose		Forelimb g	Hindlimb g
2-Methylpentane	n	5	5
0 mg/kg	Mean	1234.12	399.72
	S.D.	138.30	47.71
2-Methylpentane	n	5	5
100 mg/kg	Mean	1433.52	453.12
	S.D.	183.17	30.39
2-Methylpentane	n	5	5
300 mg/kg	Mean	1241.28	446.26
	S.D.	93.62	20.35
2-Methylpentane	n	5	5
1000 mg/kg	Mean	1215.24	434.62
	S.D.	181.76	36.69

Not significantly different from 2-Methylpentane 0 mg/kg

Table 6 - 3

Study No. : SR17148

Grip strength

Stage : Week 4

Sex : Female (satellite)

Species : Rat

Test article Dose		Forelimb g	Hindlimb g
2-Methylpentane	n	5	5
0 mg/kg	Mean	1073.20	389.46
	S.D.	118.76	22.26
2-Methylpentane	n	5	5
1000 mg/kg	Mean	1085.00	406.54
	S.D.	145.17	36.34

Not significantly different from 2-Methylpentane 0 mg/kg

Table 7 - 1

Study No. : SR17148

Motor activity measurements

Stage : Week 4

Sex : Male

Species : Rat

Test article Dose		0' - 10' No.	10' - 20' No.	20' - 30' No.	30' - 40' No.	40' - 50' No.	50' - 60' No.	0' - 60' No.
2-Methylpentane	n	5	5	5	5	5	5	5
0 mg/kg	Mean	634.8	527.4	391.4	254.6	138.8	159.0	2106.0
	S.D.	132.2	167.7	110.9	97.9	89.7	179.4	202.9
2-Methylpentane	n	5	5	5	5	5	5	5
100 mg/kg	Mean	531.2	348.0	265.0	164.2	138.4	76.8	1523.6
	S.D.	176.4	121.0	92.8	159.8	76.9	82.5	433.1
2-Methylpentane	n	5	5	5	5	5	5	5
300 mg/kg	Mean	591.6	420.2	270.6	246.2	239.6	90.6	1858.8
	S.D.	186.9	241.7	112.7	107.2	72.7	77.3	554.1
2-Methylpentane	n	5	5	5	5	5	5	5
1000 mg/kg	Mean	664.8	397.0	233.6	202.6	119.0	158.8	1775.8
	S.D.	254.1	191.1	189.3	95.7	123.4	205.3	915.4

Not significantly different from 2-Methylpentane 0 mg/kg

Table 7 - 2

Study No. : SR17148

Motor activity measurements

Stage : Lactation Day 4

Sex : Female

Species : Rat

Test article Dose		0' - 10' No.	10' - 20' No.	20' - 30' No.	30' - 40' No.	40' - 50' No.	50' - 60' No.	0' - 60' No.
2-Methylpentane	n	5	5	5	5	5	5	5
0 mg/kg	Mean	556.6	176.6	187.0	156.8	203.6	164.8	1445.4
	S.D.	163.7	115.2	159.6	176.6	236.2	177.0	747.0
2-Methylpentane	n	5	5	5	5	5	5	5
100 mg/kg	Mean	594.4	163.0	31.2	6.8	139.2	30.2	964.8
	S.D.	155.1	77.6	43.8	8.2	214.8	63.7	126.5
2-Methylpentane	n	5	5	5	5	5	5	5
300 mg/kg	Mean	865.8	262.6	201.8	216.2	135.0	89.6	1771.0
	S.D.	116.1	149.4	218.0	273.1	135.5	123.7	840.9
		DT *						
2-Methylpentane	n	5	5	5	5	5	5	5
1000 mg/kg	Mean	556.8	41.6	131.4	21.8	13.8	85.6	851.0
	S.D.	229.5	31.8	189.3	44.9	27.1	119.8	435.6

Significantly different from 2-Methylpentane 0 mg/kg: * P<0.05
DT : Dunnett test (two-side)

Table 7 - 3

Study No. : SR17148

Motor activity measurements

Stage : Week 4

Sex : Female (satellite)

Species : Rat

Test article Dose		0' - 10' No.	10' - 20' No.	20' - 30' No.	30' - 40' No.	40' - 50' No.	50' - 60' No.	0' - 60' No.
2-Methylpentane	n	5	5	5	5	5	5	5
0 mg/kg	Mean	792.4	440.2	376.2	287.4	246.4	246.4	2389.0
	S.D.	89.5	258.6	134.4	277.1	170.4	253.7	891.1
2-Methylpentane	n	5	5	5	5	5	5	5
1000 mg/kg	Mean	935.2	626.4	446.6	273.2	289.6	240.8	2811.8
	S.D.	287.3	373.8	292.1	259.3	190.1	203.1	1244.4

Not significantly different from 2-Methylpentane 0 mg/kg

Table 8 - 1

Study No. : SR17148

Body weight

Period : Administration Day 1-28

Sex : Male

Unit : g

Species : Rat

Test article Dose		/Day 1	4	7	14	21	28	Body weight gain
2-Methylpentane	n	12	12	12	12	12	12	12
0 mg/kg	Mean	367.2	378.0	391.3	421.0	447.2	471.3	104.1
	S.D.	16.8	20.3	23.4	31.1	35.9	43.6	32.1
2-Methylpentane	n	12	12	12	12	12	12	12
100 mg/kg	Mean	366.7	378.9	391.8	416.9	441.9	466.7	100.0
	S.D.	13.8	16.3	19.4	25.9	28.3	33.7	23.4
2-Methylpentane	n	12	12	12	12	12	12	12
300 mg/kg	Mean	365.9	381.5	396.5	427.6	447.7	474.8	108.9
	S.D.	16.2	17.1	20.8	23.0	25.6	27.4	16.2
2-Methylpentane	n	12	12	12	11	11	11	11
1000 mg/kg	Mean	365.8	381.8	384.3	417.5	442.0	464.0	98.5
	S.D.	15.3	17.6	28.5	28.0	30.9	32.2	19.1

Not significantly different from 2-Methylpentane 0 mg/kg

Table 8 - 2

Study No. : SR17148

Body weight

Period : F0 before mating Day 1-14

Sex : Female

Unit : g

Species : Rat

Test article Dose		/Day 1	4	7	14	Body weight gain
2-Methylpentane	n	12	12	12	12	12
0 mg/kg	Mean	239.5	246.2	249.8	259.5	20.0
	S.D.	17.0	17.2	18.3	21.5	6.7
2-Methylpentane	n	12	12	12	12	12
100 mg/kg	Mean	240.8	246.4	252.2	261.3	20.5
	S.D.	16.4	16.5	19.2	23.5	9.7
2-Methylpentane	n	12	12	12	12	12
300 mg/kg	Mean	239.4	244.7	249.4	259.9	20.5
	S.D.	12.3	15.4	16.8	16.4	7.5
2-Methylpentane	n	12	12	12	12	12
1000 mg/kg	Mean	241.3	246.8	252.2	263.3	22.0
	S.D.	14.3	15.7	15.4	18.7	13.7

Not significantly different from 2-Methylpentane 0 mg/kg

Table 8 - 3

Study No. : SR17148

Body weight

Period : F0 gestation Day 0-20

Sex : Female

Unit : g

Species : Rat

Test article Dose		/Day 0	7	14	20	Body weight gain
2-Methylpentane	n	10	10	10	10	10
0 mg/kg	Mean	273.8	306.4	344.8	423.7	149.9
	S.D.	27.3	26.3	27.0	34.6	27.9
2-Methylpentane	n	12	12	12	12	12
100 mg/kg	Mean	268.0	302.3	341.3	427.8	159.8
	S.D.	18.4	22.7	27.5	33.6	18.7
2-Methylpentane	n	12	12	12	12	12
300 mg/kg	Mean	269.8	302.2	340.3	429.3	159.5
	S.D.	17.8	22.4	28.6	30.2	16.3
2-Methylpentane	n	12	12	12	12	12
1000 mg/kg	Mean	275.1	311.8	350.7	436.8	161.8
	S.D.	22.8	20.0	19.9	25.5	15.9

Not significantly different from 2-Methylpentane 0 mg/kg

Table 8 - 4

Study No. : SR17148

Body weight

Period : F0 lactation Day 0-4

Sex : Female

Unit : g

Species : Rat

Test article Dose		/Day 0	4	Body weight gain
2-Methylpentane	n	10	10	10
0 mg/kg	Mean	333.8	343.2	9.4
	S.D.	25.2	19.2	11.6
2-Methylpentane	n	12	12	12
100 mg/kg	Mean	326.7	337.6	10.9
	S.D.	31.7	29.4	10.4
2-Methylpentane	n	12	12	12
300 mg/kg	Mean	326.5	339.0	12.5
	S.D.	24.8	20.7	10.9
2-Methylpentane	n	12	12	12
1000 mg/kg	Mean	342.1	354.4	12.3
	S.D.	17.0	16.8	7.8

Not significantly different from 2-Methylpentane 0 mg/kg

Table 8 - 5

Study No. : SR17148

Body weight

Period : Administration Day 1-28

Sex : Female (satellite)

Unit : g

Species : Rat

Test article Dose		/Day 1	4	7	14	21	28	Body weight gain
2-Methylpentane	n	10	10	10	10	10	10	10
0 mg/kg	Mean	239.2	242.9	246.5	255.3	267.1	274.5	35.3
	S.D.	6.9	8.7	12.4	16.8	17.8	19.3	16.2
2-Methylpentane	n	10	10	10	10	10	10	10
1000 mg/kg	Mean	238.1	246.9	253.9	260.0	271.0	281.0	42.9
	S.D.	8.8	7.4	8.7	11.0	11.4	9.8	7.8

Not significantly different from 2-Methylpentane 0 mg/kg

Table 8 - 6

Study No. : SR17148

Body weight

Period : Recovery Day 1-14

Sex : Male

Unit : g

Species : Rat

Test article Dose		/Day 1	7	14	Body weight gain
2-Methylpentane	n	5	5	5	5
0 mg/kg	Mean	467.4	485.6	495.2	27.8
	S.D.	20.7	25.1	32.7	15.5
2-Methylpentane	n	5	5	5	5
1000 mg/kg	Mean	459.8	476.4	495.8	36.0
	S.D.	15.1	15.6	16.9	10.0

Not significantly different from 2-Methylpentane 0 mg/kg

Table 8 - 7

Study No. : SR17148

Body weight

Period : Recovery Day 1-14

Sex : Female (satellite)

Unit : g

Species : Rat

Test article Dose		/Day 1	7	14	Body weight gain
2-Methylpentane	n	5	5	5	5
0 mg/kg	Mean	266.0	270.6	276.4	10.4
	S.D.	19.1	17.7	18.5	8.3
2-Methylpentane	n	5	5	5	5
1000 mg/kg	Mean	277.0	285.8	287.2	10.2
	S.D.	6.5	5.9	7.2	2.8

Not significantly different from 2-Methylpentane 0 mg/kg

Table 9 - 1

Study No. : SR17148

Food consumption

Period : Administration Day 1-28

Sex : Male

Unit : g

Species : Rat

Test article Dose		/Day 4	7	14	28
2-Methylpentane	n	12	12	12	10
0 mg/kg	Mean	19.70	19.33	18.24	17.77
	S.D.	2.57	2.72	2.81	2.80
2-Methylpentane	n	12	12	12	12
100 mg/kg	Mean	19.45	18.73	17.56	17.51
	S.D.	1.87	1.80	1.85	1.77
2-Methylpentane	n	12	12	12	12
300 mg/kg	Mean	19.77	19.63	19.08	17.88
	S.D.	1.71	1.78	1.68	1.24
2-Methylpentane	n	12	12	11	9
1000 mg/kg	Mean	19.90	16.56	18.18	17.21
	S.D.	1.76	5.31	1.76	0.91

Not significantly different from 2-Methylpentane 0 mg/kg

Table 9 - 2

Study No. : SR17148

Food consumption

Period : F0 before mating Day 1-14

Sex : Female

Unit : g

Species : Rat

Test article Dose		/Day 4	7	14
2-Methylpentane 0 mg/kg	n	12	12	12
	Mean	14.40	13.87	14.41
	S.D.	1.58	1.48	1.48
2-Methylpentane 100 mg/kg	n	12	12	12
	Mean	14.15	13.68	14.05
	S.D.	1.50	1.87	2.12
2-Methylpentane 300 mg/kg	n	12	12	12
	Mean	14.15	13.59	14.38
	S.D.	1.38	1.48	1.05
2-Methylpentane 1000 mg/kg	n	12	12	12
	Mean	14.48	14.27	15.29
	S.D.	1.14	1.71	2.32

Not significantly different from 2-Methylpentane 0 mg/kg

Table 9 - 3

Study No. : SR17148

Food consumption

Period : F0 gestation Day 0-20

Sex : Female

Unit : g

Species : Rat

Test article Dose		/Day 7	14	20
2-Methylpentane 0 mg/kg	n	10	10	10
	Mean	18.25	20.36	19.11
	S.D.	1.64	2.01	2.24
2-Methylpentane 100 mg/kg	n	12	12	12
	Mean	17.73	19.27	19.46
	S.D.	2.06	2.53	2.45
2-Methylpentane 300 mg/kg	n	12	12	12
	Mean	18.13	19.90	19.81
	S.D.	1.86	2.66	2.51
2-Methylpentane 1000 mg/kg	n	12	12	12
	Mean	19.39	21.52	21.62
	S.D.	1.73	1.72	1.86
				DT *

Significantly different from 2-Methylpentane 0 mg/kg: * P<0.05

DT : Dunnett test (two-side)

Table 9 - 4

Study No. : SR17148

Food consumption

Period : F0 lactation Day 0-4

Sex : Female

Unit : g

Species : Rat

Test article		/Day
Dose		4
2-Methylpentane	n	10
0 mg/kg	Mean	23.55
	S.D.	3.93
2-Methylpentane	n	12
100 mg/kg	Mean	25.44
	S.D.	3.63
2-Methylpentane	n	12
300 mg/kg	Mean	26.48
	S.D.	3.46
2-Methylpentane	n	12
1000 mg/kg	Mean	26.84
	S.D.	3.33

Not significantly different from 2-Methylpentane 0 mg/kg

Table 9 - 5

Study No. : SR17148

Food consumption

Period : Administration Day 1-28

Sex : Female (satellite)

Unit : g

Species : Rat

Test article		/Day				
Dose		4	7	14	21	28
2-Methylpentane	n	10	10	10	10	10
0 mg/kg	Mean	13.29	13.41	13.60	13.38	13.10
	S.D.	1.29	1.89	1.92	1.57	1.54
2-Methylpentane	n	10	10	10	10	10
1000 mg/kg	Mean	14.64	14.33	14.18	13.98	13.91
	S.D.	1.05	1.58	1.17	1.44	1.18
		T2 *				

Significantly different from 2-Methylpentane 0 mg/kg: * P<0.05

T2 : Student t-test (two-side)

Table 9 - 6

Study No. : SR17148

Food consumption

Period : Recovery Day 1-14

Sex : Male

Unit : g

Species : Rat

Test article		/Day	
Dose		7	14
2-Methylpentane	n	5	5
0 mg/kg	Mean	23.60	24.48
	S.D.	2.29	2.33
2-Methylpentane	n	5	5
1000 mg/kg	Mean	24.12	25.78
	S.D.	1.31	1.06

Not significantly different from 2-Methylpentane 0 mg/kg

Table 9 - 7

Study No. : SR17148

Food consumption

Period : Recovery Day 1-14

Sex : Female (satellite)

Unit : g

Species : Rat

Test article Dose		/Day 7	 14
2-Methylpentane 0 mg/kg	n	5	5
	Mean	17.36	19.08
	S.D.	0.77	0.76
2-Methylpentane 1000 mg/kg	n	5	5
	Mean	18.48	20.00
	S.D.	1.74	1.46

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 1

Study No. : SR17148

Urinary findings
Sex : Male

Stage : Week 4

Species : Rat

pH

Test article Dose		5.0	6.0	6.5	7.0	7.5	8.0	8.5
2-Methylpentane 0 mg/kg	n	0	0	0	0	0	1	4
2-Methylpentane 100 mg/kg	n	0	0	0	0	1	1	3
2-Methylpentane 300 mg/kg	n	0	0	0	0	0	0	5
2-Methylpentane 1000 mg/kg	n	0	0	1	0	1	0	3

Test article Dose		Protein					Glucose			
		-	±	+	2+	3+	-	+	2+	3+
2-Methylpentane 0 mg/kg	n	0	1	4	0	0	5	0	0	0
2-Methylpentane 100 mg/kg	n	0	0	4	1	0	5	0	0	0
2-Methylpentane 300 mg/kg	n	0	2	2	1	0	5	0	0	0
2-Methylpentane 1000 mg/kg	n	0	0	5	0	0	5	0	0	0

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 2

Study No. : SR17148

Urinary findings
Sex : Male

Stage : Week 4

Species : Rat

Test article Dose		Ketone body -	±	+	2+	3+	Urobilinogen EU/dL 0.1	1	2	4	8
2-Methylpentane 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 100 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 300 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

Test article Dose		Bilirubin -	+	2+	3+	Occult blood -	±	+	2+	3+
2-Methylpentane 0 mg/kg	n	5	0	0	0	4	1	0	0	0
2-Methylpentane 100 mg/kg	n	5	0	0	0	5	0	0	0	0
2-Methylpentane 300 mg/kg	n	5	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	5	0	0	0	0

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 3

Study No. : SR17148

Urinary findings
Sex : Male

Stage : Week 4

Species : Rat

Test article Dose		Color			
		A	B	C	D
2-Methylpentane 0 mg/kg	n	5	0	0	0
2-Methylpentane 100 mg/kg	n	5	0	0	0
2-Methylpentane 300 mg/kg	n	5	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0

A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white
Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 4

Study No. : SR17148

Urinary findings

Stage : Week 4

Sex : Male

Species : Rat

Test article Dose		Urine volume mL/21hr
2-Methylpentane 0 mg/kg	n	5
	Mean	7.00
	S.D.	1.46
2-Methylpentane 100 mg/kg	n	5
	Mean	7.70
	S.D.	2.56
2-Methylpentane 300 mg/kg	n	5
	Mean	6.40
	S.D.	1.64
2-Methylpentane 1000 mg/kg	n	5
	Mean	8.60
	S.D.	4.66

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 5

Study No. : SR17148

Urinary findings
Sex : Male

Stage : Week 4

Species : Rat

Test article Dose		Specific gravity					
		0	1	2	3	4	5
2-Methylpentane 0 mg/kg	n	0	0	0	0	0	5
2-Methylpentane 100 mg/kg	n	0	0	0	0	2	3
2-Methylpentane 300 mg/kg	n	0	0	0	0	1	4
2-Methylpentane 1000 mg/kg	n	0	0	1	0	1	3

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 2-Methylpentane 0 mg/kg

Table 10 - 6

Study No. : SR17148

Urinary findings
Sex : Male

Stage : Week 4

Species : Rat

Test article Dose		RBC -	±	+	2+	3+	WBC -	±	+	2+	3+
2-Methylpentane 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 100 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 300 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

Test article Dose		Squamous -	±	+	2+	3+	Round -	±	+	2+	3+
2-Methylpentane 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 100 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 300 mg/kg	n	4	1	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 7

Study No. : SR17148

Urinary findings
Sex : Male

Stage : Week 4

Species : Rat

Test article Dose		Small round					Cast				
		-	±	+	2+	3+	-	±	+	2+	3+
2-Methylpentane 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 100 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 300 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 8

Study No. : SR17148

Urinary findings
Sex : Female (satellite)

Stage : Week 4

Species : Rat

pH

Test article Dose		5.0	6.0	6.5	7.0	7.5	8.0	8.5
2-Methylpentane 0 mg/kg	n	0	0	1	0	2	0	2
2-Methylpentane 1000 mg/kg	n	0	0	1	0	0	2	2

Test article Dose		Protein					Glucose			
		-	±	+	2+	3+	-	+	2+	3+
2-Methylpentane 0 mg/kg	n	0	3	0	2	0	5	0	0	0
2-Methylpentane 1000 mg/kg	n	0	1	3	1	0	5	0	0	0

Test article Dose		Ketone body					Urobilinogen EU/dL				
		-	±	+	2+	3+	0.1	1	2	4	8
2-Methylpentane 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 9

Study No. : SR17148

Urinary findings

Stage : Week 4

Sex : Female (satellite)

Species : Rat

Test article Dose		Bilirubin -	 +	 2+	 3+	Occult blood -	 ±	 +	 2+	 3+
2-Methylpentane 0 mg/kg	n	5	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	5	0	0	0	0

Test article Dose		Color A	 B	 C	 D
2-Methylpentane 0 mg/kg	n	5	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0

A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 10

Study No. : SR17148

Urinary findings

Stage : Week 4

Sex : Female (satellite)

Species : Rat

Test article Dose		Urine volume mL/21hr
2-Methylpentane	n	5
0 mg/kg	Mean	5.50
	S.D.	2.81
2-Methylpentane	n	5
1000 mg/kg	Mean	6.50
	S.D.	2.55

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 11

Study No. : SR17148

Urinary findings

Stage : Week 4

Sex : Female (satellite)

Species : Rat

Test article		Specific gravity					
Dose		0	1	2	3	4	5
2-Methylpentane 0 mg/kg	n	0	0	0	1	2	2
2-Methylpentane 1000 mg/kg	n	0	0	0	1	1	3

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 2-Methylpentane 0 mg/kg

Table 10 - 12

Study No. : SR17148

Urinary findings
Sex : Female (satellite)

Stage : Week 4

Species : Rat

Test article Dose		RBC -	±	+	2+	3+	WBC -	±	+	2+	3+
2-Methylpentane 0 mg/kg	n	5	0	0	0	0	4	1	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

Test article Dose		Squamous -	±	+	2+	3+	Round -	±	+	2+	3+
2-Methylpentane 0 mg/kg	n	4	1	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

Test article Dose		Small round -	±	+	2+	3+	Cast -	±	+	2+	3+
2-Methylpentane 0 mg/kg	n	4	1	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 13

Study No. : SR17148

Urinary findings
Sex : Male

Stage : Recovery Week 2

Species : Rat

pH

Test article Dose		5.0	6.0	6.5	7.0	7.5	8.0	8.5
2-Methylpentane 0 mg/kg	n	0	0	0	0	0	0	5
2-Methylpentane 1000 mg/kg	n	0	0	0	0	0	0	5

Test article Dose		Protein					Glucose			
		-	±	+	2+	3+	-	+	2+	3+
2-Methylpentane 0 mg/kg	n	0	2	3	0	0	5	0	0	0
2-Methylpentane 1000 mg/kg	n	0	1	4	0	0	5	0	0	0

Test article Dose		Ketone body					Urobilinogen EU/dL				
		-	±	+	2+	3+	0.1	1	2	4	8
2-Methylpentane 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 14

Study No. : SR17148

Urinary findings

Stage : Recovery Week 2

Sex : Male

Species : Rat

Test article Dose		Bilirubin -	 +	 2+	 3+	Occult blood -	 ±	 +	 2+	 3+
2-Methylpentane 0 mg/kg	n	5	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	5	0	0	0	0

Test article Dose		Color A	 B	 C	 D
2-Methylpentane 0 mg/kg	n	5	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0

A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white
Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 15

Study No. : SR17148

Urinary findings

Stage : Recovery Week 2

Sex : Male

Species : Rat

Test article Dose		Urine volume mL/21hr
2-Methylpentane 0 mg/kg	n	5
	Mean	9.90
	S.D.	2.53
2-Methylpentane 1000 mg/kg	n	5
	Mean	13.00
	S.D.	2.98

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 16

Study No. : SR17148

Urinary findings
Sex : Male

Stage : Recovery Week 2

Species : Rat

Test article		Specific gravity					
Dose		0	1	2	3	4	5
2-Methylpentane 0 mg/kg	n	0	0	0	0	1	4
2-Methylpentane 1000 mg/kg	n	0	0	0	1	2	2

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 2-Methylpentane 0 mg/kg

Table 10 - 17

Study No. : SR17148

Urinary findings
Sex : Male

Stage : Recovery Week 2

Species : Rat

Test article Dose		RBC -	±	+	2+	3+	WBC -	±	+	2+	3+
2-Methylpentane 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

Test article Dose		Squamous -	±	+	2+	3+	Round -	±	+	2+	3+
2-Methylpentane 0 mg/kg	n	4	1	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	4	1	0	0	0	5	0	0	0	0

Test article Dose		Small round -	±	+	2+	3+	Cast -	±	+	2+	3+
2-Methylpentane 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 18

Study No. : SR17148

Urinary findings
Sex : Female (satellite)

Stage : Recovery Week 2

Species : Rat

pH

Test article Dose		5.0	6.0	6.5	7.0	7.5	8.0	8.5
2-Methylpentane 0 mg/kg	n	0	0	0	0	0	2	3
2-Methylpentane 1000 mg/kg	n	0	0	0	0	0	1	4

Test article Dose		Protein					Glucose			
		-	±	+	2+	3+	-	+	2+	3+
2-Methylpentane 0 mg/kg	n	1	2	2	0	0	5	0	0	0
2-Methylpentane 1000 mg/kg	n	0	1	4	0	0	5	0	0	0

Test article Dose		Ketone body					Urobilinogen EU/dL				
		-	±	+	2+	3+	0.1	1	2	4	8
2-Methylpentane 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

EF
Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 19

Study No. : SR17148

Urinary findings

Stage : Recovery Week 2

Sex : Female (satellite)

Species : Rat

Test article Dose		Bilirubin -	 +	 2+	 3+	Occult blood -	 ±	 +	 2+	 3+
2-Methylpentane 0 mg/kg	n	5	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	5	0	0	0	0

Test article Dose		Color A	 B	 C	 D
2-Methylpentane 0 mg/kg	n	5	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0

A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 20

Study No. : SR17148

Urinary findings

Stage : Recovery Week 2

Sex : Female (satellite)

Species : Rat

Test article Dose		Urine volume mL/21hr
2-Methylpentane 0 mg/kg	n	5
	Mean	12.90
	S.D.	5.22
2-Methylpentane 1000 mg/kg	n	5
	Mean	9.40
	S.D.	4.31

Not significantly different from 2-Methylpentane 0 mg/kg

Table 10 - 21

Study No. : SR17148

Urinary findings

Stage : Recovery Week 2

Sex : Female (satellite)

Species : Rat

Test article		Specific gravity					
Dose		0	1	2	3	4	5
2-Methylpentane 0 mg/kg	n	0	0	0	2	2	1
2-Methylpentane 1000 mg/kg	n	0	0	0	1	1	3

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 2-Methylpentane 0 mg/kg

Table 10 - 22

Study No. : SR17148

Urinary findings
Sex : Female (satellite)

Stage : Recovery Week 2

Species : Rat

Test article Dose		RBC -	±	+	2+	3+	WBC -	±	+	2+	3+
2-Methylpentane 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

Test article Dose		Squamous -	±	+	2+	3+	Round -	±	+	2+	3+
2-Methylpentane 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

Test article Dose		Small round -	±	+	2+	3+	Cast -	±	+	2+	3+
2-Methylpentane 0 mg/kg	n	5	0	0	0	0	5	0	0	0	0
2-Methylpentane 1000 mg/kg	n	5	0	0	0	0	5	0	0	0	0

Not significantly different from 2-Methylpentane 0 mg/kg

Table 11 - 1

Study No. : SR17148

Hematological findings

Stage : Day 29

Sex : Male

Species : Rat

Test article Dose		RBC 10^4/μL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10^4/μL	WBC 10^2/μL	Neutrophil 10^2/μL
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	849.4	15.20	43.04	50.70	17.90	35.30	3.344	113.66	106.16	22.92
	S.D.	31.6	0.47	0.90	1.35	0.52	0.49	0.480	14.83	23.77	3.20
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	868.2	15.52	43.68	50.36	17.88	35.52	3.042	103.42	76.14	17.72
	S.D.	25.8	0.22	0.70	1.77	0.56	0.16	0.407	7.36	30.80	7.44
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	870.8	15.50	43.76	50.24	17.78	35.46	3.136	105.98	92.54	19.06
	S.D.	18.1	0.69	2.30	2.65	0.70	0.59	0.394	9.27	38.50	5.59
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	863.2	15.46	43.98	51.02	17.94	35.16	3.374	123.46	112.92	21.54
	S.D.	25.2	0.23	0.57	1.84	0.44	0.51	0.420	13.42	43.52	8.01

Test article Dose		Lymphocyte 10^2/μL	Monocyte 10^2/μL	Eosinophil 10^2/μL	Basophil 10^2/μL	PT sec	APTT sec
2-Methylpentane	n	5	5	5	5	5	5
0 mg/kg	Mean	78.00	4.28	0.90	0.06	17.50	17.18
	S.D.	23.02	1.22	0.50	0.05	2.33	3.79
2-Methylpentane	n	5	5	5	5	5	5
100 mg/kg	Mean	54.80	2.78	0.80	0.04	19.56	20.60
	S.D.	21.92	1.58	0.29	0.05	3.53	1.69
2-Methylpentane	n	5	5	5	5	5	5
300 mg/kg	Mean	69.58	2.90	0.98	0.02	19.04	18.16
	S.D.	32.82	0.85	0.45	0.04	3.85	1.50
2-Methylpentane	n	5	5	5	5	5	5
1000 mg/kg	Mean	87.20	3.30	0.82	0.06	17.82	19.12
	S.D.	40.19	1.28	0.48	0.05	4.11	4.42

Not significantly different from 2-Methylpentane 0 mg/kg

Table 11 - 2

Study No. : SR17148

Hematological findings

Stage : Day 5 after delivery

Sex : Female

Species : Rat

Test article Dose		RBC 10^4/μL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10^4/μL	WBC 10^2/μL	Neutrophil 10^2/μL
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	721.4	13.80	40.24	55.90	19.16	34.30	8.478	117.42	81.66	19.74
	S.D.	44.5	0.32	0.75	2.75	0.76	0.66	2.429	13.12	29.15	7.39
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	701.4	13.36	38.68	55.16	19.06	34.54	7.766	116.04	94.46	30.00
	S.D.	21.0	0.42	1.35	2.06	0.63	0.21	1.314	3.24	22.67	8.68
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	723.6	13.58	39.60	54.90	18.82	34.30	8.698	115.60	108.94	43.04
	S.D.	50.6	0.48	0.95	3.11	0.85	0.82	4.429	16.24	38.28	23.73
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	691.0	13.42	39.32	57.02	19.44	34.12	9.408	121.84	82.90	27.46
	S.D.	42.9	0.72	1.67	2.49	0.70	0.45	2.172	12.87	29.80	15.26

Test article Dose		Lymphocyte 10^2/μL	Monocyte 10^2/μL	Eosinophil 10^2/μL	Basophil 10^2/μL	PT sec	APTT sec
2-Methylpentane	n	5	5	5	5	5	5
0 mg/kg	Mean	56.88	4.24	0.78	0.02	15.78	13.08
	S.D.	21.78	1.15	0.29	0.04	0.79	0.48
2-Methylpentane	n	5	5	5	5	5	5
100 mg/kg	Mean	60.66	3.18	0.60	0.02	16.04	12.44
	S.D.	16.32	1.62	0.47	0.04	0.34	0.97
2-Methylpentane	n	5	5	5	5	5	5
300 mg/kg	Mean	60.86	4.58	0.46	0.00	15.76	12.84
	S.D.	13.63	1.60	0.27	0.00	0.43	0.27
2-Methylpentane	n	5	5	5	5	5	5
1000 mg/kg	Mean	51.02	3.76	0.62	0.04	15.40	12.14
	S.D.	13.64	1.45	0.22	0.05	1.13	1.02

Not significantly different from 2-Methylpentane 0 mg/kg

Table 11 - 3

Study No. : SR17148

Hematological findings

Stage : Day 29

Sex : Female (satellite)

Species : Rat

Test article Dose		RBC 10^4/μL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10^4/μL	WBC 10^2/μL	Neutrophil 10^2/μL
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	811.8	14.86	41.84	51.64	18.32	35.52	3.204	100.88	73.02	8.32
	S.D.	47.9	0.53	1.35	2.49	0.73	0.31	0.518	6.15	25.22	4.30
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	822.6	15.06	42.76	52.04	18.32	35.22	3.284	105.90	54.64	7.64
	S.D.	25.9	0.38	1.28	2.50	0.82	0.40	0.550	10.08	19.17	2.30

Test article Dose		Lymphocyte 10^2/μL	Monocyte 10^2/μL	Eosinophil 10^2/μL	Basophil 10^2/μL	PT sec	APTT sec
2-Methylpentane	n	5	5	5	5	5	5
0 mg/kg	Mean	61.94	1.84	0.90	0.02	14.90	12.26
	S.D.	20.66	0.93	0.39	0.04	0.52	1.14
2-Methylpentane	n	5	5	5	5	5	5
1000 mg/kg	Mean	44.90	1.48	0.62	0.00	14.66	14.92
	S.D.	16.74	0.54	0.11	0.00	0.70	0.73
							T2 **

Significantly different from 2-Methylpentane 0 mg/kg: ** P<0.01

T2 : Student t-test (two-side)

Table 11 - 4

Study No. : SR17148

Hematological findings

Stage : Recovery Day 15

Sex : Male

Species : Rat

Test article Dose		RBC 10^4/μL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10^4/μL	WBC 10^2/μL	Neutrophil 10^2/μL
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	868.4	15.40	43.58	50.26	17.76	35.34	3.238	99.34	56.84	12.10
	S.D.	65.6	0.82	2.37	2.06	0.57	0.52	0.729	7.31	13.69	5.43
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	860.4	15.22	42.22	49.10	17.70	36.04	3.010	119.34	75.56	13.40
	S.D.	30.7	0.37	1.30	1.00	0.37	0.43	0.244	8.71	23.71	4.00
							T2 ∗		T2 ∗∗		

Test article Dose		Lymphocyte 10^2/μL	Monocyte 10^2/μL	Eosinophil 10^2/μL	Basophil 10^2/μL	PT sec	APTT sec
2-Methylpentane	n	5	5	5	5	5	5
0 mg/kg	Mean	41.36	2.56	0.82	0.00	21.28	18.26
	S.D.	10.89	0.76	0.13	0.00	5.90	2.71
2-Methylpentane	n	5	5	5	5	5	5
1000 mg/kg	Mean	57.06	3.70	1.36	0.04	20.78	17.80
	S.D.	19.79	0.72	0.40	0.05	3.70	3.33
			T2 ∗	T2 ∗			

Significantly different from 2-Methylpentane 0 mg/kg: ∗ P<0.05, ∗∗ P<0.01
T2 : Student t-test (two-side)

Table 11 - 5

Study No. : SR17148

Hematological findings

Stage : Recovery Day 15

Sex : Female (satellite)

Species : Rat

Test article Dose		RBC 10^4/μL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10^4/μL	WBC 10^2/μL	Neutrophil 10^2/μL
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	792.4	14.50	41.16	52.02	18.34	35.24	3.112	103.66	44.82	5.72
	S.D.	33.2	0.24	0.94	2.89	0.86	0.53	0.665	7.13	18.84	1.69
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	808.6	14.72	41.02	50.76	18.22	35.86	2.540	106.40	52.40	6.64
	S.D.	11.0	0.35	1.04	1.13	0.41	0.17	0.324	14.64	10.47	1.72

Test article Dose		Lymphocyte 10^2/μL	Monocyte 10^2/μL	Eosinophil 10^2/μL	Basophil 10^2/μL	PT sec	APTT sec
2-Methylpentane	n	5	5	5	5	5	5
0 mg/kg	Mean	37.06	1.30	0.74	0.00	15.32	12.58
	S.D.	19.02	0.43	0.25	0.00	0.74	1.91
2-Methylpentane	n	5	5	5	5	5	5
1000 mg/kg	Mean	42.66	2.16	0.94	0.00	15.42	12.74
	S.D.	10.07	0.59	0.47	0.00	0.74	1.38
			T2 *				

Significantly different from 2-Methylpentane 0 mg/kg: * P<0.05

T2 : Student t-test (two-side)

Table 12 - 1

Study No. : SR17148

Biochemical findings

Stage : Day 29

Sex : Male

Species : Rat

Test article Dose		AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	59.4	24.8	383.0	0.40	0.058	9.44	153.6	56.4	22.6	5.50
	S.D.	4.6	2.7	71.9	0.16	0.008	3.79	15.4	5.5	12.9	0.12
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	62.4	26.6	566.2	0.46	0.058	8.98	157.8	51.6	18.2	5.26
	S.D.	5.9	5.3	172.7	0.34	0.013	3.84	12.3	6.3	5.3	0.15
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	68.8	27.8	498.6	0.54	0.054	9.88	153.4	60.0	30.2	5.40
	S.D.	20.8	6.4	63.7	0.25	0.011	4.22	18.8	18.7	12.6	0.12
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	74.8	29.6	445.2	0.50	0.060	17.16	158.0	64.2	17.4	5.66
	S.D.	13.6	4.4	217.9	0.12	0.014	7.98	17.9	4.2	6.6	0.27

Test article Dose		UN mg/dL	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	10.84	0.318	144.4	4.632	105.0	9.40	6.50	0.930	2.648	48.16
	S.D.	1.17	0.023	0.5	0.133	1.2	0.14	0.70	0.067	0.099	1.81
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	8.90	0.320	145.0	4.546	105.0	9.16	6.34	1.062	2.706	51.46
	S.D.	0.25	0.016	0.0	0.250	1.4	0.34	0.75	0.073	0.128	1.69
		ST *									
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	8.68	0.300	144.8	4.740	105.0	9.48	6.36	1.026	2.724	50.50
	S.D.	1.26	0.034	0.8	0.167	1.2	0.30	0.57	0.131	0.150	3.14
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	11.78	0.310	144.6	4.730	104.2	9.50	6.62	0.922	2.712	47.90
	S.D.	1.93	0.039	0.9	0.191	0.8	0.25	0.79	0.089	0.165	2.40

Significantly different from 2-Methylpentane 0 mg/kg: * P<0.05

ST : Steel test (two-side)

Table 12 - 2

Study No. : SR17148

Biochemical findings

Stage : Day 29

Sex : Male

Species : Rat

Test article Dose		α1-G %	α2-G %	β-G %	γ-G %
2-Methylpentane	n	5	5	5	5
0 mg/kg	Mean	22.10	9.38	16.34	4.02
	S.D.	1.88	0.88	0.88	1.42
2-Methylpentane	n	5	5	5	5
100 mg/kg	Mean	20.52	9.70	14.86	3.46
	S.D.	2.45	0.49	0.40	0.86
2-Methylpentane	n	5	5	5	5
300 mg/kg	Mean	19.54	9.36	16.24	4.36
	S.D.	2.74	0.71	1.42	0.71
2-Methylpentane	n	5	5	5	5
1000 mg/kg	Mean	20.64	10.06	17.24	4.16
	S.D.	2.61	0.76	0.68	0.49

Not significantly different from 2-Methylpentane 0 mg/kg

Table 12 - 3

Study No. : SR17148

Biochemical findings

Stage : Day 5 after delivery

Sex : Female

Species : Rat

Test article Dose		AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	84.2	41.2	201.2	0.36	0.052	19.98	141.2	64.2	37.0	5.46
	S.D.	46.2	17.9	17.0	0.26	0.008	16.47	10.3	14.5	16.1	0.05
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	97.6	50.4	269.4	0.32	0.046	15.08	130.2	63.4	41.8	5.60
	S.D.	22.2	16.5	133.8	0.16	0.005	5.86	8.6	11.8	13.3	0.26
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	135.0	50.2	236.2	0.96	0.052	20.00	147.6	68.8	41.2	5.72
	S.D.	104.1	19.8	94.5	1.43	0.015	13.41	9.9	5.5	15.7	0.16
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	81.8	39.8	219.8	0.44	0.052	14.12	143.2	71.0	61.0	5.70
	S.D.	8.8	6.8	104.9	0.30	0.016	4.87	14.7	2.7	35.2	0.35

Test article Dose		UN mg/dL	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	11.48	0.304	142.2	4.646	103.8	9.98	7.12	1.014	2.744	50.28
	S.D.	0.54	0.025	2.2	0.143	2.2	0.25	0.30	0.055	0.065	1.41
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
100 mg/kg	Mean	13.32	0.324	142.4	4.510	102.8	10.12	7.76	0.960	2.742	48.98
	S.D.	3.53	0.026	1.5	0.189	1.3	0.31	0.60	0.042	0.094	1.08
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
300 mg/kg	Mean	12.08	0.328	142.4	4.658	103.4	10.00	7.84	0.948	2.786	48.64
	S.D.	2.44	0.027	1.1	0.099	2.3	0.21	0.91	0.072	0.177	1.96
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	12.84	0.312	142.6	4.740	102.8	10.36	7.78	1.018	2.868	50.36
	S.D.	2.54	0.019	1.7	0.156	0.8	0.50	1.08	0.102	0.176	2.46

Not significantly different from 2-Methylpentane 0 mg/kg

Table 12 - 4

Study No. : SR17148

Biochemical findings

Stage : Day 5 after delivery

Sex : Female

Species : Rat

Test article Dose		α1-G %	α2-G %	β-G %	γ-G %
2-Methylpentane	n	5	5	5	5
0 mg/kg	Mean	18.60	10.50	16.72	3.90
	S.D.	1.60	0.96	1.32	0.73
2-Methylpentane	n	5	5	5	5
100 mg/kg	Mean	18.46	11.80	16.86	3.90
	S.D.	1.11	1.10	0.48	1.35
2-Methylpentane	n	5	5	5	5
300 mg/kg	Mean	19.82	10.48	16.76	4.30
	S.D.	0.98	0.73	0.90	0.94
2-Methylpentane	n	5	5	5	5
1000 mg/kg	Mean	18.06	11.18	16.86	3.54
	S.D.	1.95	0.89	0.76	1.42

Not significantly different from 2-Methylpentane 0 mg/kg

Table 12 - 5

Study No. : SR17148

Biochemical findings

Stage : Day 29

Sex : Female (satellite)

Species : Rat

Test article Dose		AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	57.6	23.2	256.8	0.62	0.076	14.14	145.0	54.2	11.4	5.64
	S.D.	1.7	3.3	85.2	0.08	0.023	9.72	10.1	10.3	4.7	0.18
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	57.0	21.0	206.4	0.94	0.052	12.54	147.4	52.0	7.4	5.64
	S.D.	8.4	2.6	45.0	0.34	0.016	7.47	17.4	7.7	1.9	0.27

Test article Dose		UN mg/dL	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	12.74	0.342	143.4	4.404	105.0	9.62	6.36	1.312	3.198	56.72
	S.D.	1.39	0.027	1.1	0.348	0.7	0.25	0.39	0.088	0.106	1.61
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	10.98	0.332	144.6	4.068	105.4	9.46	6.14	1.248	3.126	55.36
	S.D.	1.16	0.023	0.5	0.300	1.1	0.15	0.75	0.151	0.268	3.12

Test article Dose		α1-G %	α2-G %	β-G %	γ-G %
2-Methylpentane	n	5	5	5	5
0 mg/kg	Mean	15.88	7.82	14.78	4.80
	S.D.	2.20	0.42	0.89	1.16
2-Methylpentane	n	5	5	5	5
1000 mg/kg	Mean	16.80	8.52	15.16	4.16
	S.D.	2.39	0.83	0.88	1.19

Not significantly different from 2-Methylpentane 0 mg/kg

Table 12 - 6

Study No. : SR17148

Biochemical findings

Stage : Recovery Day 15

Sex : Male

Species : Rat

Test article Dose		AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	65.4	24.8	325.6	0.46	0.056	7.96	146.6	61.2	24.6	5.50
	S.D.	7.8	4.1	70.6	0.09	0.009	3.45	7.0	19.9	9.0	0.12
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	61.2	26.8	296.2	0.48	0.056	13.64	156.0	55.2	34.0	5.50
	S.D.	6.3	3.8	31.5	0.26	0.011	8.12	17.7	7.9	14.5	0.16

Test article Dose		UN mg/dL	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	13.06	0.310	146.6	4.610	107.0	9.24	5.88	0.884	2.578	46.90
	S.D.	0.49	0.026	0.5	0.190	0.7	0.26	0.38	0.056	0.044	1.59
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	15.32	0.288	146.4	4.716	105.8	9.32	6.36	0.838	2.508	45.60
	S.D.	1.22	0.028	1.5	0.236	1.5	0.04	0.62	0.028	0.058	0.79
		T2 **									

Test article Dose		α1-G %	α2-G %	β-G %	γ-G %
2-Methylpentane	n	5	5	5	5
0 mg/kg	Mean	22.06	10.22	15.92	4.90
	S.D.	2.11	1.02	1.48	1.21
2-Methylpentane	n	5	5	5	5
1000 mg/kg	Mean	24.32	9.94	15.34	4.80
	S.D.	0.76	0.50	0.78	0.97

Significantly different from 2-Methylpentane 0 mg/kg: ** P<0.01

T2 : Student t-test (two-side)

Table 12 - 7

Study No. : SR17148

Biochemical findings

Stage : Recovery Day 15

Sex : Female (satellite)

Species : Rat

Test article Dose		AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	61.6	25.0	166.4	0.66	0.080	12.06	133.6	65.6	8.2	5.96
	S.D.	13.7	9.3	18.7	0.05	0.007	4.70	11.8	9.9	1.5	0.39
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	50.4	19.4	157.8	0.60	0.076	8.02	135.6	75.8	10.6	6.10
	S.D.	5.1	2.2	30.9	0.19	0.011	2.55	17.7	19.3	2.7	0.43

Test article Dose		UN mg/dL	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	17.06	0.332	144.4	4.430	107.6	9.64	6.26	1.198	3.232	54.34
	S.D.	1.83	0.034	1.1	0.119	1.5	0.36	0.90	0.158	0.214	3.08
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	15.76	0.344	143.6	4.484	106.2	9.84	6.10	1.168	3.286	53.70
	S.D.	2.17	0.027	0.5	0.220	0.8	0.33	0.64	0.149	0.417	3.05

Test article Dose		α1-G %	α2-G %	β-G %	γ-G %
2-Methylpentane	n	5	5	5	5
0 mg/kg	Mean	16.64	8.98	14.14	5.90
	S.D.	2.39	0.91	1.28	1.03
2-Methylpentane	n	5	5	5	5
1000 mg/kg	Mean	18.10	8.66	13.58	5.96
	S.D.	0.98	0.73	1.15	0.59

Not significantly different from 2-Methylpentane 0 mg/kg

Table 13 - 1

Study No. : SR17148

Necropsy findings

Sex : Male

Stage : Day 29

Species : Rat

Organ / Findings		Test article / Dose / Number of Animals	2-Methylpentane 0 mg/kg 7	2-Methylpentane 100 mg/kg 12	2-Methylpentane 300 mg/kg 12	2-Methylpentane 1000 mg/kg 6
Thoracic cavity			<7/7>	<12/12>	<12/12>	<4/6>
Retention, fluid, pale yellow, oily	P		0	0	0	2
Other organs & tissues			<7/7>	<12/12>	<12/12>	<6/6>

<> : Not remarkable/Number of animals examined

P : Non-graded change

Table 13 - 2

Study No. : SR17148

Necropsy findings
Sex : Male

Stage : Death (Day 7)

Species : Rat

Organ / Findings	Test article / Dose / Number of Animals		2-Methylpentane 1000 mg/kg 1
Lung			<0/1>
White focus		P	1
Dark red		P	1
Other organs & tissues			<1/1>
Pericardial			<0/1>
Adhesion		P	1
Thoracic cavity			<0/1>
Retention, fluid, pale yellow, oily		P	1
Thoracic organs			<0/1>
Adhesion		P	1

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

Table 13 - 3

Study No. : SR17148

Necropsy findings

Sex : Female | Stage : Day 5 after delivery | Species : Rat

Organ / Findings		Test article	2-Methylpentane	2-Methylpentane	2-Methylpentane	2-Methylpentane
		Dose	0 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg
		Number of Animals	10	12	12	12
Skin			<10/10>	<12/12>	<10/12>	<12/12>
Subcutaneous mass, yellowish white	P		0	0	2	0
Other organs & tissues			<10/10>	<12/12>	<12/12>	<12/12>

<> : Not remarkable/Number of animals examined

P : Non-graded change

Table 13 - 4

Study No. : SR17148

Necropsy findings

Sex : Female | Stage : Non-pregnancy | Species : Rat

	Test article	2-Methylpentane
	Dose	0
Organ		mg/kg
Findings	Number of Animals	2
All organs & tissues		<2/2>

<> : Not remarkable/Number of animals examined

Table 13 - 5

Study No. : SR17148

Necropsy findings

Sex : Female (satellite)

Stage : Day 29

Species : Rat

	Test article	2-Methylpentane	2-Methylpentane
	Dose	0	1000
Organ		mg/kg	mg/kg
Findings	Number of Animals	5	5
All organs & tissues		<5/5>	<5/5>

<> : Not remarkable/Number of animals examined

Table 13 - 6

Study No. : SR17148

Necropsy findings

Sex : Male

Stage : Recovery Day 15

Species : Rat

Organ / Findings		Test article	2-Methylpentane	2-Methylpentane
		Dose	0 mg/kg	1000 mg/kg
		Number of Animals	5	5
Thoracic cavity			<5/5>	<4/5>
Retention, fluid, pale yellow, oily	P		0	1
Other organs & tissues			<5/5>	<5/5>

<> : Not remarkable/Number of animals examined

P : Non-graded change

Table 13 - 7

Study No. : SR17148

Necropsy findings

Sex : Female (satellite) Stage : Recovery Day 15 Species : Rat

	Test article	2-Methylpentane	2-Methylpentane
	Dose	0	1000
Organ		mg/kg	mg/kg
Findings	Number of Animals	5	5
All organs & tissues		<5/5>	<5/5>

<> : Not remarkable/Number of animals examined

Table 14 - 1

Study No. : SR17148

Organ weight

Stage : Day 29

Sex : Male

Species : Rat

Test article		Body weight	Liver		Kidney		Heart		Spleen	
			AB	RE	AB	RE	AB	RE	AB	RE
Dose		g	g	g/100g	g	g/100g	g	g/100g	mg	mg/100g
2-Methylpentane	n	7	7	7	7	7	7	7	7	7
0 mg/kg	Mean	452.1	12.483	2.744	3.013	0.671	1.353	0.299	719.0	158.607
	S.D.	53.1	2.285	0.205	0.219	0.081	0.117	0.016	130.4	18.625
2-Methylpentane	n	12	12	12	12	12	12	12	12	12
100 mg/kg	Mean	443.7	11.558	2.595	3.100	0.699	1.371	0.309	692.2	155.568
	S.D.	32.8	1.727	0.229	0.436	0.078	0.132	0.025	108.6	17.000
2-Methylpentane	n	12	12	12	12	12	12	12	12	12
300 mg/kg	Mean	453.6	12.609	2.781	3.417	0.754	1.406	0.310	694.8	153.329
	S.D.	26.8	1.281	0.228	0.268	0.053	0.124	0.031	116.9	25.171
						DT *				
2-Methylpentane	n	6	6	6	6	6	6	6	6	6
1000 mg/kg	Mean	439.5	13.562	3.092	3.542	0.805	1.338	0.305	671.2	153.683
	S.D.	41.8	1.320	0.158	0.509	0.071	0.079	0.031	58.5	17.169
				DT *	DT *	DT **				

Test article		Thymus		Adrenal		Pituitary gland		Thyroid		Testis	
		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
2-Methylpentane	n	7	7	7	7	7	7	7	7	7	7
0 mg/kg	Mean	312.0	68.169	56.1	12.607	11.19	2.487	21.93	4.920	3.249	0.726
	S.D.	88.1	12.642	7.9	2.536	1.79	0.409	2.19	0.866	0.181	0.091
2-Methylpentane	n	12	12	12	12	12	12	12	12	12	12
100 mg/kg	Mean	354.2	79.895	65.4	14.743	10.94	2.466	19.68	4.420	3.213	0.728
	S.D.	85.1	19.456	11.7	2.313	2.01	0.400	3.98	0.748	0.294	0.083
2-Methylpentane	n	12	12	12	12	12	12	12	12	12	12
300 mg/kg	Mean	318.9	70.289	62.6	13.788	11.57	2.565	20.01	4.426	3.218	0.713
	S.D.	64.2	13.808	7.6	1.378	2.03	0.502	3.99	0.936	0.295	0.072
2-Methylpentane	n	6	6	6	6	6	6	6	6	6	6
1000 mg/kg	Mean	350.5	79.993	59.5	13.678	11.03	2.542	17.98	4.117	3.240	0.740
	S.D.	75.2	17.513	7.8	2.448	2.20	0.629	2.88	0.763	0.221	0.053

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

Significantly different from 2-Methylpentane 0 mg/kg: * P<0.05, ** P<0.01

DT : Dunnett test (two-side)

Table 14 - 2

Study No. : SR17148

Organ weight

Stage : Day 29

Sex : Male

Species : Rat

Test article		Epididymis		Prostate		Seminal vesicle		Brain	
		AB	RE	AB	RE	AB	RE	AB	RE
Dose		g	g/100g	mg	mg/100g	g	g/100g	g	g/100g
2-Methylpentane	n	7	7	7	7	7	7	7	7
0 mg/kg	Mean	1.221	0.271	720.4	161.256	2.103	0.467	2.169	0.484
	S.D.	0.113	0.031	195.3	49.959	0.533	0.129	0.053	0.054
2-Methylpentane	n	12	12	12	12	12	12	12	12
100 mg/kg	Mean	1.255	0.284	690.3	155.943	2.187	0.498	2.165	0.490
	S.D.	0.101	0.019	160.9	35.446	0.392	0.107	0.106	0.038
2-Methylpentane	n	12	12	12	12	12	12	12	12
300 mg/kg	Mean	1.240	0.275	616.7	136.920	2.112	0.468	2.189	0.485
	S.D.	0.113	0.027	123.8	31.075	0.253	0.070	0.084	0.039
2-Methylpentane	n	6	6	6	6	6	6	6	6
1000 mg/kg	Mean	1.172	0.268	633.3	145.357	2.020	0.457	2.143	0.490
	S.D.	0.087	0.017	80.0	24.586	0.512	0.120	0.065	0.041

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

Not significantly different from 2-Methylpentane 0 mg/kg

Table 14 - 3

Study No. : SR17148

Organ weight

Stage : Day 5 after delivery

Sex : Female

Species : Rat

Test article		Body weight	Liver		Kidney		Heart		Spleen	
			AB	RE	AB	RE	AB	RE	AB	RE
Dose		g	g	g/100g	g	g/100g	g	g/100g	mg	mg/100g
2-Methylpentane	n	10	10	10	10	10	10	10	10	10
0 mg/kg	Mean	322.7	10.459	3.242	2.174	0.676	1.038	0.322	663.2	205.849
	S.D.	20.0	0.913	0.231	0.203	0.071	0.106	0.029	131.2	40.059
2-Methylpentane	n	12	12	12	12	12	12	12	12	12
100 mg/kg	Mean	318.4	10.272	3.224	2.261	0.711	1.036	0.325	661.5	207.683
	S.D.	24.5	1.095	0.204	0.220	0.062	0.095	0.020	94.8	23.601
2-Methylpentane	n	12	12	12	12	12	12	12	12	12
300 mg/kg	Mean	314.8	10.743	3.415	2.228	0.708	1.035	0.328	640.1	203.903
	S.D.	18.5	1.097	0.312	0.229	0.062	0.111	0.026	91.0	30.886
2-Methylpentane	n	12	12	12	12	12	12	12	12	12
1000 mg/kg	Mean	327.8	11.416	3.486	2.301	0.701	1.057	0.323	698.7	213.489
	S.D.	18.3	0.851	0.237	0.272	0.055	0.104	0.030	79.3	25.043

Test article		Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
		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
2-Methylpentane	n	10	10	10	10	10	10	10	10	10	10
0 mg/kg	Mean	238.3	73.521	74.7	23.163	17.14	5.344	16.61	5.156	109.9	34.028
	S.D.	70.7	20.058	13.0	3.852	3.06	1.065	3.15	1.013	17.0	4.669
2-Methylpentane	n	12	12	12	12	12	12	12	12	12	12
100 mg/kg	Mean	243.0	76.237	79.0	24.929	16.82	5.281	16.94	5.381	114.3	35.954
	S.D.	49.9	14.353	8.6	3.246	2.90	0.782	3.59	1.399	12.0	3.402
2-Methylpentane	n	12	12	12	12	12	12	12	12	12	12
300 mg/kg	Mean	214.4	68.251	83.2	26.461	16.96	5.373	17.56	5.593	124.5	39.434
	S.D.	50.4	16.800	7.4	2.341	2.89	0.754	3.85	1.285	21.6	5.240
											DT *
2-Methylpentane	n	12	12	12	12	12	12	12	12	12	12
1000 mg/kg	Mean	254.4	77.426	77.8	23.694	17.21	5.263	20.15	6.172	119.5	36.451
	S.D.	53.4	14.722	13.4	3.436	3.36	1.083	5.09	1.569	12.5	3.216

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

Significantly different from 2-Methylpentane 0 mg/kg: * P<0.05

DT : Dunnett test (two-side)

Table 14 - 4

Study No. : SR17148

Organ weight
Sex : Female

Stage : Day 5 after delivery

Species : Rat

Test article Dose		Uterus AB mg	Uterus RE mg/100g	Brain AB g	Brain RE g/100g
2-Methylpentane	n	10	10	10	10
0 mg/kg	Mean	725.9	225.335	2.047	0.634
	S.D.	124.7	38.099	0.059	0.032
2-Methylpentane	n	12	12	12	12
100 mg/kg	Mean	742.2	233.171	2.058	0.648
	S.D.	90.4	22.839	0.094	0.040
2-Methylpentane	n	12	12	12	12
300 mg/kg	Mean	740.1	235.095	2.112	0.673
	S.D.	104.0	29.695	0.073	0.045
2-Methylpentane	n	12	12	12	12
1000 mg/kg	Mean	744.4	226.914	2.090	0.639
	S.D.	103.5	27.358	0.074	0.035

AB : Absolute weight, RE : Relative weight by body weight
Not significantly different from 2-Methylpentane 0 mg/kg

Table 14 - 5

Study No. : SR17148

Organ weight

Stage : Day 29

Sex : Female (satellite)

Species : Rat

Test article		Body weight	Liver		Kidney		Heart		Spleen	
			AB	RE	AB	RE	AB	RE	AB	RE
Dose		g	g	g/100g	g	g/100g	g	g/100g	mg	mg/100g
2-Methylpentane	n	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	266.0	7.240	2.722	1.824	0.686	0.880	0.332	487.8	183.400
	S.D.	17.7	0.571	0.155	0.104	0.040	0.069	0.028	57.8	17.318
2-Methylpentane	n	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	267.0	7.488	2.802	1.858	0.696	0.890	0.334	522.8	195.820
	S.D.	13.3	0.658	0.145	0.091	0.030	0.064	0.021	32.8	8.134

Test article		Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
		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
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	403.6	151.362	73.6	27.858	17.14	6.476	15.14	5.732	96.2	36.464
	S.D.	65.3	19.149	7.6	4.162	1.88	0.923	2.12	1.040	13.3	6.950
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	376.6	140.854	78.2	29.140	14.90	5.604	16.54	6.178	99.6	37.224
	S.D.	92.9	31.716	14.7	4.207	2.26	0.951	4.49	1.568	14.3	4.364

Test article		Uterus		Brain	
		AB	RE	AB	RE
Dose		mg	mg/100g	g	g/100g
2-Methylpentane	n	5	5	5	5
0 mg/kg	Mean	765.6	288.032	1.952	0.738
	S.D.	264.4	94.076	0.086	0.076
2-Methylpentane	n	5	5	5	5
1000 mg/kg	Mean	609.4	229.978	1.970	0.738
	S.D.	121.6	55.548	0.081	0.037

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

Not significantly different from 2-Methylpentane 0 mg/kg

Table 14 - 6

Study No. : SR17148

Organ weight

Stage : Recovery Day 15

Sex : Male

Species : Rat

Test article		Body weight	Liver		Kidney		Heart		Spleen	
			AB	RE	AB	RE	AB	RE	AB	RE
Dose		g	g	g/100g	g	g/100g	g	g/100g	mg	mg/100g
2-Methylpentane	n	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	466.4	11.304	2.420	3.050	0.652	1.482	0.318	754.6	161.738
	S.D.	31.5	1.266	0.176	0.339	0.054	0.045	0.015	69.2	8.572
2-Methylpentane	n	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	464.4	11.892	2.558	3.206	0.692	1.358	0.294	649.2	140.000
	S.D.	14.4	1.108	0.183	0.166	0.046	0.174	0.042	94.0	21.921

Test article		Thymus		Adrenal		Pituitary gland		Thyroid		Testis	
		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
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	341.6	73.828	61.8	13.264	12.12	2.592	23.34	5.020	3.290	0.710
	S.D.	77.0	18.513	8.3	1.705	1.93	0.286	1.48	0.439	0.118	0.040
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	332.2	71.800	57.8	12.450	11.26	2.420	23.26	5.008	3.272	0.706
	S.D.	66.6	15.747	6.1	1.326	1.51	0.275	4.43	0.940	0.237	0.040

Test article		Epididymis		Prostate		Seminal vesicle		Brain	
		AB	RE	AB	RE	AB	RE	AB	RE
Dose		g	g/100g	mg	mg/100g	g	g/100g	g	g/100g
2-Methylpentane	n	5	5	5	5	5	5	5	5
0 mg/kg	Mean	1.340	0.288	716.0	154.196	2.354	0.506	2.120	0.456
	S.D.	0.068	0.008	109.2	26.037	0.114	0.045	0.041	0.038
2-Methylpentane	n	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	1.334	0.286	735.2	158.008	2.188	0.472	2.156	0.462
	S.D.	0.059	0.011	102.3	18.779	0.198	0.049	0.069	0.008

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

Not significantly different from 2-Methylpentane 0 mg/kg

Table 14 - 7

Study No. : SR17148

Organ weight

Stage : Recovery Day 15

Sex : Female (satellite)

Species : Rat

Test article		Body weight	Liver		Kidney		Heart		Spleen	
			AB	RE	AB	RE	AB	RE	AB	RE
Dose		g	g	g/100g	g	g/100g	g	g/100g	mg	mg/100g
2-Methylpentane	n	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	259.6	6.874	2.650	1.872	0.722	0.894	0.348	487.4	187.206
	S.D.	17.6	0.392	0.064	0.169	0.054	0.086	0.047	93.0	28.743
2-Methylpentane	n	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	272.8	7.144	2.618	1.898	0.696	0.910	0.334	446.2	163.680
	S.D.	7.4	0.466	0.175	0.097	0.022	0.069	0.019	34.7	13.931

Test article		Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
		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
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
0 mg/kg	Mean	389.2	150.354	79.4	30.684	16.36	6.304	16.48	6.362	109.4	42.216
	S.D.	56.9	23.387	4.6	2.569	2.58	0.915	4.66	1.848	29.2	11.570
2-Methylpentane	n	5	5	5	5	5	5	5	5	5	5
1000 mg/kg	Mean	326.6	120.006	79.4	29.004	15.82	5.782	18.50	6.762	101.6	37.264
	S.D.	91.4	34.514	16.8	5.393	4.31	1.483	3.33	1.069	16.0	6.030

Test article		Uterus		Brain	
		AB	RE	AB	RE
Dose		mg	mg/100g	g	g/100g
2-Methylpentane	n	5	5	5	5
0 mg/kg	Mean	607.2	234.830	1.996	0.774
	S.D.	179.9	74.601	0.114	0.084
2-Methylpentane	n	5	5	5	5
1000 mg/kg	Mean	579.0	213.136	2.104	0.774
	S.D.	220.9	84.295	0.075	0.040

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

Not significantly different from 2-Methylpentane 0 mg/kg

Table 15 - 1

Study No. : SR17148

Histopathological findings
Sex : Male

Stage : Day 29

Species : Rat

Organ / Findings	Test article	2-Methylpentane					2-Methylpentane					2-Methylpentane					2-Methylpentane				
	Dose	0 mg/kg					100 mg/kg					300 mg/kg					1000 mg/kg				
	Number of Animals	7					12					12					6				
	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Lung				<7>					<0>					<0>					<6>		
Aggregation, macrophage, alveolar		7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0
Mineralization, artery		5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0
Trachea				<7>					<0>					<0>					<6>		
		7					0					0					6				
Submandibular gland				<7>					<0>					<0>					<6>		
		7					0					0					6				
Esophagus				<7>					<0>					<0>					<6>		
		7					0					0					6				
Stomach				<7>					<0>					<0>					<6>		
		7					0					0					6				
Duodenum				<7>					<0>					<0>					<6>		
		7					0					0					6				
Jejunum				<7>					<0>					<0>					<6>		
		7					0					0					6				
Ileum				<7>					<0>					<0>					<6>		
		7					0					0					6				
Cecum				<7>					<0>					<0>					<6>		
		7					0					0					6				

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

Table 15 - 2

Study No. : SR17148

Histopathological findings

Sex : Male

Stage : Day 29

Species : Rat

Organ / Findings	Test article	2-Methylpentane					2-Methylpentane					2-Methylpentane					2-Methylpentane				
	Dose	0 mg/kg					100 mg/kg					300 mg/kg					1000 mg/kg				
	Number of Animals	7					12					12					6				
	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Colon		<7>					<0>					<0>					<6>				
		7					0					0					6				
Rectum		<7>					<0>					<0>					<6>				
		7					0					0					6				
Pancreas		<7>					<0>					<0>					<6>				
		7					0					0					6				
Liver		<7>					<0>					<0>					<6>				
Microgranuloma		4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0
Heart		<7>					<0>					<0>					<6>				
Focal inflammatory cell Infiltration		5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0
Kidney		<7>					<12>					<12>					<6>				
Hyaline cast		6	1	0	0	0	11	1	0	0	0	9	3	0	0	0	5	1	0	0	0
Lymphoid infiltration, interstitium		7	0	0	0	0	11	1	0	0	0	10	2	0	0	0	5	1	0	0	0
Mineralization		7	0	0	0	0	11	1	0	0	0	12	0	0	0	0	6	0	0	0	0
Basophilic change, renal tubule		5	2	0	0	0	8	4	0	0	0	4	8	0	0	0	4	2	0	0	0

<> : Number of animals examined

- : Not remarkable

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

Not significantly different from 2-Methylpentane 0 mg/kg

Histopathological findings
Sex : Male Stage : Day 29 Species : Rat

Organ / Findings	Test article	2-Methylpentane					2-Methylpentane					2-Methylpentane					2-Methylpentane				
	Dose	0 mg/kg					100 mg/kg					300 mg/kg					1000 mg/kg				
	Number of Animals	7					12					12					6				
	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Kidney		<7>					<12>					<12>					<6>				
Cyst		6	1	0	0	0	12	0	0	0	0	12	0	0	0	0	6	0	0	0	0
Hyaline droplet, proximal tubular epithelium		7	0	0	0	0	1	1	6	4	0	0	0	2	6	4	0	0	0	2	4
							FT $$					FT $$					FT $$				
Urinary bladder		<7>					<0>					<0>					<6>				
		7					0					0					6				
Testis		<7>					<0>					<0>					<6>				
		7					0					0					6				
Epididymis		<7>					<0>					<0>					<6>				
Sperm granuloma		6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0
Prostate		<7>					<0>					<0>					<6>				
Lymphocyte infiltration		4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0
Seminal vesicle		<7>					<0>					<0>					<6>				
		7					0					0					6				
Coagulating gland		<7>					<0>					<0>					<6>				
		7					0					0					6				
Cerebrum		<7>					<0>					<0>					<6>				
		7					0					0					6				

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe
Significantly different from 2-Methylpentane 0 mg/kg: $$ P<0.01
FT : Fisher's exact test (two-side)

Table 15 - 4

Study No. : SR17148

Histopathological findings
Sex : Male

Stage : Day 29

Species : Rat

Organ / Findings	Test article	2-Methylpentane	2-Methylpentane	2-Methylpentane	2-Methylpentane
	Dose	0 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg
	Number of Animals	7	12	12	6
	Grade	- 1+ 2+ 3+ 4+	- 1+ 2+ 3+ 4+	- 1+ 2+ 3+ 4+	- 1+ 2+ 3+ 4+
Cerebellum		<7>	<0>	<0>	<6>
		7	0	0	6
Pons		<7>	<0>	<0>	<6>
		7	0	0	6
Spinal cord		<7>	<0>	<0>	<6>
		7	0	0	6
Sciatic nerve		<7>	<0>	<0>	<6>
		7	0	0	6
Spleen		<7>	<0>	<0>	<6>
		7	0	0	6
Thymus		<7>	<0>	<0>	<6>
		7	0	0	6
Bone marrow, femur		<7>	<0>	<0>	<6>
		7	0	0	6
Submandibular lymph node		<7>	<0>	<0>	<6>
		7	0	0	6
Mesenteric lymph node		<7>	<0>	<0>	<6>
		7	0	0	6
Peyer's patch		<7>	<0>	<0>	<6>
		7	0	0	6

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 15 - 5

Study No. : SR17148

Histopathological findings

Sex : Male

Stage : Day 29

Species : Rat

Organ / Findings	Test article	2-Methylpentane					2-Methylpentane					2-Methylpentane					2-Methylpentane				
	Dose	0 mg/kg					100 mg/kg					300 mg/kg					1000 mg/kg				
	Number of Animals	7					12					12					6				
	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Pituitary gland				<7>					<0>					<0>					<6>		
Cyst, pars intermedia		6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0
Cyst, pars distalis		6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0
Thyroid				<7>					<0>					<0>					<6>		
Ultimobranchial body		6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	0	0
Parathyroid				<7>					<0>					<0>					<6>		
		7					0					0					6				
Adrenal				<7>					<0>					<0>					<6>		
		7					0					0					6				
Eyeball				<7>					<0>					<0>					<6>		
		7					0					0					6				
Harderian gland				<7>					<0>					<0>					<6>		
		7					0					0					6				
Skeletal muscle				<7>					<0>					<0>					<6>		
		7					0					0					6				
Femur				<7>					<0>					<0>					<6>		
		7					0					0					6				
Mammary gland				<7>					<0>					<0>					<6>		
		7					0					0					6				

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

Table 15 - 6

Study No. : SR17148

Histopathological findings

Sex : Male

Stage : Dead (Day 7)

Species : Rat

Organ / Findings	Test article	2-Methylpentane				
	Dose	1000 mg/kg				
	Number of Animals	1				
	Grade	-	1+	2+	3+	4+
Lung				<1>		
Infiltration, inflammatory cell		0	1	0	0	0
Trachea				<1>		
		1				
Submandibular gland				<1>		
		1				
Esophagus				<1>		
		1				
Stomach				<1>		
		1				
Duodenum				<1>		
		1				
Jejunum				<1>		
		1				
Ileum				<1>		
		1				
Cecum				<1>		
		1				

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 15 - 7

Study No. : SR17148

Histopathological findings

Sex : Male

Stage : Dead (Day 7)

Species : Rat

Organ / Findings	Test article	2-Methylpentane				
	Dose	1000 mg/kg				
	Number of Animals	1				
	Grade	-	1+	2+	3+	4+
Colon				<1>		
		1				
Rectum				<1>		
		1				
Pancreas				<1>		
		1				
Liver				<1>		
Centrilobular necrosis		0	1	0	0	0
Heart				<1>		
Focal inflammatory cell Infiltration		0	1	0	0	0
Kidney				<1>		
Lymphoid infiltration, interstitium		0	1	0	0	0
Mineralization		0	1	0	0	0
Basophilic change, renal tubule		0	1	0	0	0
Hyaline droplet, proximal tubular epithelium		0	0	0	0	1

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 15 - 8

Study No. : SR17148

Histopathological findings

Sex : Male

Stage : Dead (Day 7)

Species : Rat

Organ / Findings	Test article	2-Methylpentane				
	Dose	1000 mg/kg				
	Number of Animals	1				
	Grade	-	1+	2+	3+	4+
Urinary bladder				<1>		
		1				
Testis				<1>		
		1				
Epididymis				<1>		
		1				
Prostate				<1>		
Lymphocyte infiltration		0	1	0	0	0
Seminal vesicle				<1>		
		1				
Coagulating gland				<1>		
		1				
Cerebrum				<1>		
		1				
Cerebellum				<1>		
		1				

<> : Number of animals examined

- : Not remarkable

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

Table 15 - 9

Study No. : SR17148

Histopathological findings
Sex : Male

Stage : Dead (Day 7)

Species : Rat

Organ / Findings	Test article	2-Methylpentane				
	Dose	1000 mg/kg				
	Number of Animals	1				
	Grade	-	1+	2+	3+	4+
Pons				<1>		
		1				
Spinal cord				<1>		
		1				
Sciatic nerve				<1>		
		1				
Spleen				<1>		
		1				
Thymus				<1>		
Atrophy		0	1	0	0	0
Inflammation		0	1	0	0	0
Bone marrow, femur				<1>		
		1				
Submandibular lymph node				<1>		
		1				
Mesenteric lymph node				<1>		
		1				
Peyer's patch				<1>		
		1				

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 15 - 10

Study No. : SR17148

Histopathological findings
Sex : Male

Stage : Dead (Day 7)

Species : Rat

Organ / Findings	Test article	2-Methylpentane				
	Dose	1000 mg/kg				
	Number of Animals	1				
	Grade	-	1+	2+	3+	4+
Pituitary gland				<1>		
Cyst, pars distalis		0	1	0	0	0
Thyroid				<1>		
		1				
Parathyroid				<1>		
		1				
Adrenal				<1>		
		1				
Eyeball				<1>		
		1				
Harderian gland				<1>		
		1				
Skeletal muscle				<1>		
		1				
Femur				<1>		
		1				
Mammary gland				<1>		
		1				
Pericardial				<1>		
Pericarditis		0	1	0	0	0

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 15 - 11

Study No. : SR17148

Histopathological findings
Sex : Female

Stage : Lactation day 5

Species : Rat

Organ / Findings	Test article	2-Methylpentane						2-Methylpentane						2-Methylpentane						2-Methylpentane					
	Dose	0 mg/kg						100 mg/kg						300 mg/kg						1000 mg/kg					
	Number of Animals	10						12						12						12					
	Grade	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P
Lung		<10>						<0>						<0>						<12>					
Aggregation, macrophage, alveolar		9	1	0	0	0		0	0	0	0	0		0	0	0	0	0		12	0	0	0	0	
Mineralization, artery		10	0	0	0	0		0	0	0	0	0		0	0	0	0	0		10	2	0	0	0	
Trachea		<10>						<0>						<0>						<12>					
		10						0						0						12					
Submandibular gland		<10>						<0>						<0>						<12>					
		10						0						0						12					
Esophagus		<10>						<0>						<0>						<12>					
		10						0						0						12					
Stomach		<10>						<0>						<0>						<12>					
		10						0						0						12					
Duodenum		<10>						<0>						<0>						<12>					
		10						0						0						12					
Jejunum		<10>						<0>						<0>						<12>					
		10						0						0						12					
Ileum		<10>						<0>						<0>						<12>					
		10						0						0						12					
Cecum		<10>						<0>						<0>						<12>					
		10						0						0						12					

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

Histopathological findings
Sex : Female Stage : Lactation day 5 Species : Rat

Organ / Findings	Test article	2-Methylpentane						2-Methylpentane						2-Methylpentane						2-Methylpentane					
	Dose	0 mg/kg						100 mg/kg						300 mg/kg						1000 mg/kg					
	Number of Animals	10						12						12						12					
	Grade	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P
Colon		<10>						<0>						<0>						<12>					
		10						0						0						12					
Rectum		<10>						<0>						<0>						<12>					
		10						0						0						12					
Pancreas		<10>						<0>						<0>						<12>					
		10						0						0						12					
Liver		<10>						<0>						<0>						<12>					
Microgranuloma		6	4	0	0	0		0	0	0	0	0		0	0	0	0	0		11	1	0	0	0	
Heart		<10>						<0>						<0>						<12>					
		10						0						0						12					
Kidney		<10>						<0>						<0>						<12>					
Pyelitis		8	2	0	0	0		0	0	0	0	0		0	0	0	0	0		12	0	0	0	0	
Lymphoid infiltration, interstitium		10	0	0	0	0		0	0	0	0	0		0	0	0	0	0		11	1	0	0	0	
Mineralization		9	1	0	0	0		0	0	0	0	0		0	0	0	0	0		12	0	0	0	0	

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

Histopathological findings
Sex : Female Stage : Lactation day 5 Species : Rat

Organ / Findings	Test article	2-Methylpentane						2-Methylpentane						2-Methylpentane						2-Methylpentane					
	Dose	0 mg/kg						100 mg/kg						300 mg/kg						1000 mg/kg					
	Number of Animals	10						12						12						12					
	Grade	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P
Urinary bladder				<10>						<0>						<0>						<12>			
		10						0						0						12					
Ovary				<10>						<0>						<0>						<12>			
		10						0						0						12					
Uterine horn				<10>						<0>						<0>						<12>			
		10						0						0						12					
Uterine cervix				<10>						<0>						<0>						<12>			
		10						0						0						12					
Vagina				<10>						<0>						<0>						<12>			
		10						0						0						12					
Cerebrum				<10>						<0>						<0>						<12>			
		10						0						0						12					
Cerebellum				<10>						<0>						<0>						<12>			
		10						0						0						12					
Pons				<10>						<0>						<0>						<12>			
		10						0						0						12					
Spinal cord				<10>						<0>						<0>						<12>			
		10						0						0						12					

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe
P : Non-graded change

Histopathological findings
Sex : Female Stage : Lactation day 5 Species : Rat

Organ / Findings	Test article	2-Methylpentane						2-Methylpentane						2-Methylpentane						2-Methylpentane					
	Dose	0 mg/kg						100 mg/kg						300 mg/kg						1000 mg/kg					
	Number of Animals	10						12						12						12					
	Grade	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P
Sciatic nerve		<10>						<0>						<0>						<12>					
		10						0						0						12					
Spleen		<10>						<0>						<0>						<12>					
		10						0						0						12					
Thymus		<10>						<0>						<0>						<12>					
		10						0						0						12					
Bone marrow, femur		<10>						<0>						<0>						<12>					
		10						0						0						12					
Submandibular lymph node		<10>						<0>						<0>						<12>					
		10						0						0						12					
Mesenteric lymph node		<10>						<0>						<0>						<12>					
		10						0						0						12					
Peyer's patch		<10>						<0>						<0>						<12>					
Mineralization		9	1	0	0	0		0	0	0	0	0		0	0	0	0	0		11	1	0	0	0	
Pituitary gland		<10>						<0>						<0>						<12>					
Cyst, pars intermedia		9	1	0	0	0		0	0	0	0	0		0	0	0	0	0		12	0	0	0	0	

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

Histopathological findings
Sex : Female Stage : Lactation day 5 Species : Rat

Organ / Findings	Test article	2-Methylpentane						2-Methylpentane						2-Methylpentane						2-Methylpentane					
	Dose	0 mg/kg						100 mg/kg						300 mg/kg						1000 mg/kg					
	Number of Animals	10						12						12						12					
	Grade	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P	-	1+	2+	3+	4+	P
Thyroid		<10>						<0>						<0>						<12>					
Ultimobranchial body		5	5	0	0	0		0	0	0	0	0		0	0	0	0	0		7	5	0	0	0	
Parathyroid		<10>						<0>						<0>						<12>					
		10						0						0						12					
Adrenal		<10>						<0>						<0>						<12>					
		10						0						0						12					
Eyeball		<10>						<0>						<0>						<12>					
		10						0						0						12					
Harderian gland		<10>						<0>						<0>						<12>					
		10						0						0						12					
Skeletal muscle		<10>						<0>						<0>						<12>					
		10						0						0						12					
Femur		<10>						<0>						<0>						<12>					
		10						0						0						12					
Mammary gland		<10>						<0>						<0>						<12>					
Cell infiltration, focal		10	0	0	0	0		0	0	0	0	0		0	0	0	0	0		11	1	0	0	0	
Skin		<0>						<0>						<2>						<0>					
Adenocarcinoma		0						0											2	0					

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

Table 15 - 16

Study No. : SR17148

Histopathological findings
Sex : Female

Stage : Non-pregnancy

Species : Rat

Organ / Findings	Test article	2-Methylpentane				
	Dose	0 mg/kg				
	Number of Animals	2				
	Grade	-	1+	2+	3+	4+
Lung				<2>		
		2				
Trachea				<2>		
		2				
Submandibular gland				<2>		
		2				
Esophagus				<2>		
		2				
Stomach				<2>		
		2				
Duodenum				<2>		
		2				
Jejunum				<2>		
		2				
Ileum				<2>		
		2				
Cecum				<2>		
		2				

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 15 - 17

Study No. : SR17148

Histopathological findings
Sex : Female

Stage : Non-pregnancy

Species : Rat

Organ / Findings	Test article	2-Methylpentane				
	Dose	0 mg/kg				
	Number of Animals	2				
	Grade	-	1+	2+	3+	4+
Colon				<2>		
		2				
Rectum				<2>		
		2				
Pancreas				<2>		
		2				
Liver				<2>		
Vacuolation, periportal		1	1	0	0	0
Heart				<2>		
		2				
Kidney				<2>		
		2				
Urinary bladder				<2>		
		2				
Ovary				<2>		
		2				

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 15 - 18

Study No. : SR17148

Histopathological findings
Sex : Female

Stage : Non-pregnancy

Species : Rat

Organ / Findings	Test article	2-Methylpentane				
	Dose	0 mg/kg				
	Number of Animals	2				
	Grade	-	1+	2+	3+	4+
Uterine horn		<2>				
		2				
Uterine cervix		<2>				
		2				
Vagina		<2>				
		2				
Cerebrum		<2>				
		2				
Cerebellum		<2>				
		2				
Pons		<2>				
		2				
Spinal cord		<2>				
		2				
Sciatic nerve		<2>				
		2				

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 15 - 19

Study No. : SR17148

Histopathological findings
Sex : Female

Stage : Non-pregnancy

Species : Rat

Organ / Findings	Test article	2-Methylpentane				
	Dose	0 mg/kg				
	Number of Animals	2				
	Grade	-	1+	2+	3+	4+
Spleen		<2>				
		2				
Thymus		<2>				
		2				
Bone marrow, femur		<2>				
		2				
Submandibular lymph node		<2>				
		2				
Mesenteric lymph node		<2>				
		2				
Peyer's patch		<2>				
		2				
Pituitary gland		<2>				
		2				
Thyroid		<2>				
		2				
Parathyroid		<2>				
		2				

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Table 15 - 20

Study No. : SR17148

Histopathological findings
Sex : Female

Stage : Non-pregnancy

Species : Rat

Organ / Findings	Test article	2-Methylpentane				
	Dose	0 mg/kg				
	Number of Animals	2				
	Grade	-	1+	2+	3+	4+
Adrenal		<2>				
		2				
Eyeball		<2>				
		2				
Harderian gland		<2>				
		2				
Skeletal muscle		<2>				
		2				
Femur		<2>				
		2				
Mammary gland		<2>				
		2				

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Histopathological findings
Sex : Female (satellite) Stage : Day 29 Species : Rat

Organ / Findings	Test article	2-Methylpentane					2-Methylpentane				
	Dose	0 mg/kg					1000 mg/kg				
	Number of Animals	5					5				
	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Lung				<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				
Cecum				<5>					<5>		
		5					5				

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Histopathological findings
Sex : Female (satellite) Stage : Day 29 Species : Rat

Organ / Findings	Test article	2-Methylpentane					2-Methylpentane				
	Dose	0 mg/kg					1000 mg/kg				
	Number of Animals	5					5				
	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Colon		<5>					<5>				
		5					5				
Rectum		<5>					<5>				
		5					5				
Pancreas		<5>					<5>				
		5					5				
Liver		<5>					<5>				
Microgranuloma		3	2	0	0	0	3	2	0	0	0
Vacuolation, periportal		5	0	0	0	0	3	2	0	0	0
Heart		<5>					<5>				
		5					5				
Kidney		<5>					<5>				
		5					5				

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

Table 15 - 23

Study No. : SR17148

Histopathological findings
Sex : Female (satellite)

Stage : Day 29

Species : Rat

Organ / Findings	Test article	2-Methylpentane					2-Methylpentane				
	Dose	0 mg/kg					1000 mg/kg				
	Number of Animals	5					5				
	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Urinary bladder				<5>					<5>		
		5					5				
Ovary				<5>					<5>		
		5					5				
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				

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Histopathological findings
Sex : Female (satellite) Stage : Day 29 Species : Rat

Organ / Findings	Test article	2-Methylpentane					2-Methylpentane				
	Dose	0 mg/kg					1000 mg/kg				
	Number of Animals	5					5				
	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Sciatic nerve				<5>					<5>		
		5					5				
Spleen				<5>					<5>		
		5					5				
Thymus				<5>					<5>		
		5					5				
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				

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe

Histopathological findings
Sex : Female (satellite) Stage : Day 29 Species : Rat

Organ / Findings	Test article	2-Methylpentane					2-Methylpentane				
	Dose	0 mg/kg					1000 mg/kg				
	Number of Animals	5					5				
	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Thyroid		<5>					<5>				
Ultimobranchial body		4	1	0	0	0	4	1	0	0	0
Parathyroid		<5>					<5>				
		5					5				
Adrenal		<5>					<5>				
		5					5				
Eyeball		<5>					<5>				
		5					5				
Harderian gland		<5>					<5>				
		5					5				
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 2-Methylpentane 0 mg/kg

Histopathological findings
Sex : Male Stage : Recovery day 15 Species : Rat

Organ / Findings	Test article	2-Methylpentane					2-Methylpentane				
	Dose	0 mg/kg					1000 mg/kg				
	Number of Animals	5					5				
	Grade	-	1+	2+	3+	4+	-	1+	2+	3+	4+
Kidney		<5>					<5>				
Hyaline cast		3	2	0	0	0	5	0	0	0	0
Lymphoid infiltration, interstitium		2	3	0	0	0	5	0	0	0	0
Mineralization		4	1	0	0	0	4	1	0	0	0
Basophilic change, renal tubule		4	1	0	0	0	0	5	0	0	0
							FT $				

<> : Number of animals examined
- : Not remarkable
1+ : Slight, 2+ : Mild, 3+ : Moderate, 4+ : Severe
Significantly different from 2-Methylpentane 0 mg/kg: $ P<0.05
FT : Fisher's exact test (two-side)

Table 16

Study No. : SR17148

Estrous cycles
Generation : F0

Species : Rat

Test article Dose		/Before mating Mean length of estrous cycle (Days)	Number of estrus	Number of animals with acyclic or irregular cycle
2-Methylpentane 0 mg/kg	n	12	12	12 (0)
	Mean	4.08	3.5	
	S.D.	0.29	0.5	
2-Methylpentane 100 mg/kg	n	12	12	12 (1)
	Mean	4.14	3.5	
	S.D.	0.41	0.7	
2-Methylpentane 300 mg/kg	n	12	12	12 (0)
	Mean	4.00	3.5	
	S.D.	0.00	0.5	
2-Methylpentane 1000 mg/kg	n	11	12	12 (1)
	Mean	4.14	3.3	
	S.D.	0.45	0.9	

() : Values in brackets represent number of animals with acyclic or irregular cycle.
Not significantly different from 2-Methylpentane 0 mg/kg

Table 17 - 1

Study No. : SR17148

Reproductive performance
Generation : F0 Sex : Male

Species : Rat

Test article Dose		Number of pairs	Day of conceiving	1st mating Copulation index (%)	1st mating Fertility index (%)	2nd mating Copulation index (%)	2nd mating Fertility index (%)	Total Copulation index (%)	Total Fertility index (%)
2-Methylpentane	n	12	12	(12/12)	(10/12)			(12/12)	(10/12)
0 mg/kg	Mean		3.1	100.0	83.3			100.0	83.3
	S.D.		4.0						
2-Methylpentane	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.		1.4						
2-Methylpentane	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)
300 mg/kg	Mean		2.7	100.0	100.0			100.0	100.0
	S.D.		1.3						
2-Methylpentane	n	11	11	(11/11)	(11/11)			(11/11)	(11/11)
1000 mg/kg	Mean		3.2	100.0	100.0			100.0	100.0
	S.D.		3.8						

Not significantly different from 2-Methylpentane 0 mg/kg

Table 17 - 2

Study No. : SR17148

Reproductive performance
Generation : F0 Sex : Female

Species : Rat

Test article Dose		Number of pairs	Day of conceiving	1st mating Copulation index (%)	1st mating Fertility index (%)	2nd mating Copulation index (%)	2nd mating Fertility index (%)	Total Copulation index (%)	Total Fertility index (%)
2-Methylpentane	n	12	12	(12/12)	(10/12)			(12/12)	(10/12)
0 mg/kg	Mean		3.1	100.0	83.3			100.0	83.3
	S.D.		4.0						
2-Methylpentane	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.		1.4						
2-Methylpentane	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)
300 mg/kg	Mean		2.7	100.0	100.0			100.0	100.0
	S.D.		1.3						
2-Methylpentane	n	12	12	(12/12)	(12/12)			(12/12)	(12/12)
1000 mg/kg	Mean		3.4	100.0	100.0			100.0	100.0
	S.D.		3.7						

Not significantly different from 2-Methylpentane 0 mg/kg

Table 18 - 1

Study No. : SR17148

Delivery data
Generation : F0

Species : Rat

Test article Dose		Gestation period (day)	Number of implantation	Birth index (%)	Number of offspring	Number of live newborns M	Number of live newborns F	Number of live newborns Total	Sex ratio (offspring) (%)	Number of dead newborns Dead	Number of dead newborns Cannibalism	Number of dead newborns Total	Gestation index (%)
2-Methylpentane	n	10	10	10	10	10	10	10	51/132	10	10	10	10/10
0 mg/kg	Mean	22.20	14.4	91.34	13.3	5.1	8.1	13.2	38.6	0.1	0.0	0.1	100.0
	S.D.	0.63	3.8	8.32	3.8	1.6	2.8	3.7		0.3	0.0	0.3	0.00
2-Methylpentane	n	12	12	12	12	12	12	12	103/183	12	12	12	12/12
100 mg/kg	Mean	22.25	17.0	90.06	15.3	8.6	6.7	15.3	56.3	0.1	0.0	0.1	100.0
	S.D.	0.45	2.0	7.64	1.7	2.2	1.7	1.7		0.3	0.0	0.3	0.00
						DT **			FT $$				
2-Methylpentane	n	12	12	12	12	12	12	12	89/181	12	12	12	12/12
300 mg/kg	Mean	22.25	16.5	91.39	15.5	7.4	7.7	15.1	49.2	0.4	0.0	0.4	100.0
	S.D.	0.45	2.1	7.82	2.1	2.1	2.6	2.4		0.8	0.0	0.8	0.00
						DT *							
2-Methylpentane	n	12	12	12	12	12	12	12	82/164	12	12	12	12/12
1000 mg/kg	Mean	22.33	14.9	91.99	13.7	6.8	6.8	13.7	50.0	0.0	0.0	0.0	100.0
	S.D.	0.49	3.6	6.40	3.3	1.6	2.6	3.3		0.0	0.0	0.0	0.00

M : Male, F : Female
Significantly different from 2-Methylpentane 0 mg/kg: $$ P<0.01
Significantly different from 2-Methylpentane 0 mg/kg: * P<0.05, ** P<0.01
DT : Dunnett test (two-side), FT : Fisher's exact test (two-side)

Table 18 - 2

Study No. : SR17148

Delivery data
Generation : F0

Species : Rat

Test article Dose		Number of corpora lutea	Implantation index (%)	Nursing index (%)
2-Methylpentane 0 mg/kg	n	10	10	10/10
	Mean	14.6	98.16	100.0
	S.D.	3.7	4.18	
2-Methylpentane 100 mg/kg	n	12	12	12/12
	Mean	17.0	100.00	100.0
	S.D.	2.0	0.00	
2-Methylpentane 300 mg/kg	n	12	12	12/12
	Mean	16.8	98.53	100.0
	S.D.	2.1	2.67	
2-Methylpentane 1000 mg/kg	n	12	12	12/12
	Mean	15.0	99.53	100.0
	S.D.	3.6	1.62	

Not significantly different from 2-Methylpentane 0 mg/kg

Table 18 - 3

Study No. : SR17148

Delivery data (external examination of offspring)
Generation : F0

Day after birth : 0
Species : Rat

Test article	2-Methylpentane	2-Methylpentane	2-Methylpentane	2-Methylpentane
Dose	0	100	300	1000
Dose unit	mg/kg	mg/kg	mg/kg	mg/kg
Number of dams	10	12	12	12
Number of offspring	132	183	181	164
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 2-Methylpentane 0 mg/kg

Table 19

Study No. : SR17148

Clinical sign of offspring
Generation : F0

Species : Rat

Test article Dose	Clinical signs	Day after birth	0	1	2	3	4
2-Methylpentane 0 mg/kg	Number of dams examined		10	10	10	10	10
	Number of offspring		132	132	132	132	131
	Number of dams with anomalous offspring		0	0	0	0	0
2-Methylpentane 100 mg/kg	Number of dams examined		12	12	12	12	12
	Number of offspring		183	183	183	183	176
	Number of dams with anomalous offspring		0	0	0	0	0
2-Methylpentane 300 mg/kg	Number of dams examined		12	12	12	12	12
	Number of offspring		181	181	181	181	172
	Number of dams with anomalous offspring		0	0	0	0	0
2-Methylpentane 1000 mg/kg	Number of dams examined		12	12	12	12	12
	Number of offspring		164	164	164	164	159
	Number of dams with anomalous offspring		0	0	0	0	0

Table 20

Study No. : SR17148

Litter size and viability index of offspring

Generation : F0

Species : Rat

Test article Dose		/Day after birth 0 All pups	0 Live pups	0 Viability index (%)	4 Live pups	4 Viability index (%)
2-Methylpentane	Total	133	132		131	
0 mg/kg	n	10	10	10	10	10
	Mean			99.38		99.38
	S.D.			1.96		1.96
2-Methylpentane	Total	184	183		176	
100 mg/kg	n	12	12	12	12	12
	Mean			99.48		96.33
	S.D.			1.79		5.07
2-Methylpentane	Total	186	181		172	
300 mg/kg	n	12	12	12	12	12
	Mean			97.18		95.43
	S.D.			5.29		6.44
2-Methylpentane	Total	164	164		159	
1000 mg/kg	n	12	12	12	12	12
	Mean			100.00		97.08
	S.D.			0.00		4.64

Not significantly different from 2-Methylpentane 0 mg/kg

Table 21 Study No. : SR17148

Body weight of offspring
Generation : F0 Unit : g Species : Rat

Test article Dose			/Day after birth 0	 4
2-Methylpentane 0 mg/kg	Male	n	10	10
		Mean	6.621	10.311
		S.D.	0.642	1.866
	Female	n	10	10
		Mean	6.302	10.008
		S.D.	0.707	2.043
2-Methylpentane 100 mg/kg	Male	n	12	12
		Mean	6.449	9.968
		S.D.	0.676	1.292
	Female	n	12	12
		Mean	6.043	9.363
		S.D.	0.622	1.270
2-Methylpentane 300 mg/kg	Male	n	12	12
		Mean	6.542	10.438
		S.D.	0.510	1.318
	Female	n	12	12
		Mean	6.015	9.555
		S.D.	0.538	1.425
2-Methylpentane 1000 mg/kg	Male	n	12	12
		Mean	6.668	11.278
		S.D.	0.838	2.186
	Female	n	12	12
		Mean	6.325	10.533
		S.D.	0.859	1.965

Not significantly different from 2-Methylpentane 0 mg/kg

Table 22 Study No. : SR17148

Necropsy findings of offspring
Generation : F0 Species : Rat

Test article	2-Methylpentane	2-Methylpentane	2-Methylpentane	2-Methylpentane
Dose	0	100	300	1000
Dose unit	mg/kg	mg/kg	mg/kg	mg/kg
Number of dams	10	12	12	12
Number of live offspring examined on Day 4 of birth	131	176	172	159
Finding absent	131	176	172	158
Liver: yellowish white discoloration	0	0	0	1
Number of dead offspring examined on Day 0-4 of birth	2	3	7	0
Finding absent	2	3	7	0

Clinical sign
Sex : Male

Period : Administration Day 1-29
Dose : 2-Methylpentane 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		15		16		17		18	
		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	19		20		21		22		23		24		25		26		27	
		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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Administration)1 : Before administration, 2 : After administration

Clinical sign
Sex : Male

Period : Administration Day 1-29
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

Animal No.	Clinical signs	Day	28		29
		Time	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		-	-	

Administration)1 : Before administration, 2 : After administration, 3 : Necropsy day

Clinical sign
Sex : Male

Period : Administration Day 1-29
Dose : 2-Methylpentane 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
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		15		16		17		18	
		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	19		20		21		22		23		24		25		26		27	
		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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Administration)1 : Before administration, 2 : After administration

Clinical sign
Sex : Male

Period : Administration Day 1-29
Dose : 2-Methylpentane 100 mg/kg

Species : Rat

Animal No.	Clinical signs	Day 28 Time 1	2	29 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	-	-	-

Administration)1 : Before administration, 2 : After administration, 3 : Necropsy day

Clinical sign
Sex : Male

Period : Administration Day 1-29
Dose : 2-Methylpentane 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		15		16		17		18	
		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	19		20		21		22		23		24		25		26		27	
		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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Administration)1 : Before administration, 2 : After administration

Clinical sign
Sex : Male

Period : Administration Day 1-29
Dose : 2-Methylpentane 300 mg/kg
Species : Rat

Animal No.	Clinical signs	Day	28		29
		Time	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		-	-	-

Administration)1 : Before administration, 2 : After administration, 3 : Necropsy day

Clinical sign
Sex : Male

Period : Administration Day 1-29
Dose : 2-Methylpentane 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	Crushing of incisors (F3)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10406	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10407	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10408	Death		-	-	-	-	-	-	-	-	-	-	-	-	+	...	...	...	...	...
	Prone position		-	-	-	-	-	-	-	-	-	-	-	-	+	...	...	...	...	...
	Soil of perioral fur		-	-	-	-	-	-	-	-	-	-	+	+	+	...	...	...	...	...
10409	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10410	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10411	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10412	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Animal No.	Clinical signs	Day	10		11		12		13		14		15		16		17		18	
		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	Crushing of incisors (F3)		-	-	-	-	-	-	-	-	-	-	+	+	+	+	+	+	+	+
10406	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10407	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10408	Death		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prone position		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Soil of perioral fur		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10409	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10410	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10411	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10412	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Administration)1 : Before administration, 2 : After administration
F3:Upper incisor
... : Mortality data

Clinical sign
Sex : Male

Period : Administration Day 1-29
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	Clinical signs	Day	19		20		21		22		23		24		25		26		27	
		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	Crushing of incisors (F3)		+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10406	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10407	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10408	Death		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Prone position		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Soil of perioral fur		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10409	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10410	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10411	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10412	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Animal No.	Clinical signs	Day	28		29
		Time	1	2	3
10401	No abnormality		-	-	-
10402	No abnormality		-	-	
10403	No abnormality		-	-	-
10404	No abnormality		-	-	
10405	Crushing of incisors (F3)		-	-	-
10406	No abnormality		-	-	
10407	No abnormality		-	-	
10408	Death		...	...	...
	Prone position		...	...	...
	Soil of perioral fur		...	...	...
10409	No abnormality		-	-	-
10410	No abnormality		-	-	-
10411	No abnormality		-	-	-
10412	No abnormality		-	-	

Administration)1 : Before administration, 2 : After administration, 3 : Necropsy day
F3:Upper incisor
... : Mortality data

Clinical sign
Sex : Female

Period : F0 before mating Day 1-14, F0 mating Day 15-27
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

			Day	1		2		3		4		5		6		7		8		9	
Animal No.		Clinical signs	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			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

			Day	10		11		12		13		14		15		16		17		18	
Animal No.		Clinical signs	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			-	-	-	-	-	-	-	-	-	-								

			Day	19		20		21		22		23		24		25		26		27	
Animal No.		Clinical signs	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																				

F0 before mating; F0 mating)1 : Before administration, 2 : After administration

Clinical sign
Sex : Female

Period : F0 gestation Day 0-26
Dose : 2-Methylpentane 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		23		24		25		26	
		Time	1	2	1	2	1	2	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		-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$	-	$

F0 gestation)1 : Before administration, 2 : After administration, 3 : Necropsy day
Animal No.50159 and 50162 : Non-pregnancy
$: Excepted data from calculation

Clinical sign
Sex : Female

Period : F0 lactation Day 0-5
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

Animal No.	Clinical signs	Day	0		1		2		3		4		5
		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		-	-	-	-	-	-	-	-	-	-	-
50160	No abnormality		-	-	-	-	-	-	-	-	-	-	-
50161	No abnormality		-	-	-	-	-	-	-	-	-	-	-

F0 lactation)1 : Before administration, 2 : After administration, 3 : Necropsy day

Clinical sign
Sex : Female

Period : F0 before mating Day 1-14, F0 mating Day 15-17
Dose : 2-Methylpentane 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		-	-	-	-	-	-	-	-	-	-						

F0 before mating; F0 mating)1 : Before administration, 2 : After administration

Clinical sign
Sex : Female

Period : F0 gestation Day 0-22
Dose : 2-Methylpentane 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		-	-	-	-	-	-	-	-		

F0 gestation)1 : Before administration, 2 : After administration

Clinical sign
Sex : Female

Period : F0 lactation Day 0-5
Dose : 2-Methylpentane 100 mg/kg

Species : Rat

Animal No.	Clinical signs	Day	0		1		2		3		4		5
		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		-	-	-	-	-	-	-	-	-	-	-

F0 lactation)1 : Before administration, 2 : After administration, 3 : Necropsy day

Clinical sign
Sex : Female

Period : F0 before mating Day 1-14, F0 mating Day 15-17
Dose : 2-Methylpentane 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		-	-	-	-	-	-	-	-	-	-	-	-				

F0 before mating; F0 mating)1 : Before administration, 2 : After administration

Clinical sign
Sex : Female

Period : F0 gestation Day 0-22
Dose : 2-Methylpentane 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	Mass of subcutaneous (J3)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50355	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50356	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50357	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50358	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50359	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50360	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50361	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50362	Mass of subcutaneous (H9)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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	Mass of subcutaneous (J3)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50355	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50356	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50357	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50358	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50359	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50360	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50361	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
50362	Mass of subcutaneous (H9)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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	Mass of subcutaneous (J3)		-	-	-	-	+ a)	+ a)	+ a)	+ a)		
50355	No abnormality		-	-	-	-	-	-	-	-		
50356	No abnormality		-	-	-	-	-	-	-	-		
50357	No abnormality		-	-	-	-	-	-	-	-		
50358	No abnormality		-	-	-	-	-	-	-	-		
50359	No abnormality		-	-	-	-	-	-	-	-	-	-
50360	No abnormality		-	-	-	-	-	-	-	-		
50361	No abnormality		-	-	-	-	-	-	-	-		
50362	Mass of subcutaneous (H9)		-	-	-	-	-	-	-	-	+ b)	+ b)

F0 gestation)1 : Before administration, 2 : After administration
H9:Left axilla, J3:Left inguina
a) : 25×15×3 mm
b) : 10×5×2 mm

Clinical sign
Sex : Female

Period : F0 lactation Day 0-5
Dose : 2-Methylpentane 300 mg/kg

Species : Rat

Animal No.	Clinical signs	Day	0		1		2		3		4		5
		Time	1	2	1	2	1	2	1	2	1	2	3
50351	No abnormality		-	-	-	-	-	-	-	-	-	-	-
50352	No abnormality		-	-	-	-	-	-	-	-	-	-	-
50353	No abnormality		-	-	-	-	-	-	-	-	-	-	-
50354	Mass of subcutaneous (J3)		+ a)	+ a)	+ a)	+ a)	+ a)	+ a)	+ b)	+ b)	+ b)	+ b)	+ b)
50355	No abnormality		-	-	-	-	-	-	-	-	-	-	-
50356	No abnormality		-	-	-	-	-	-	-	-	-	-	-
50357	No abnormality		-	-	-	-	-	-	-	-	-	-	-
50358	No abnormality		-	-	-	-	-	-	-	-	-	-	-
50359	No abnormality		-	-	-	-	-	-	-	-	-	-	-
50360	No abnormality		-	-	-	-	-	-	-	-	-	-	-
50361	No abnormality		-	-	-	-	-	-	-	-	-	-	-
50362	Mass of subcutaneous (H9)		+ c)	+ c)	+ c)	+ c)	+ c)	+ c)	+ c)	+ c)	+ c)	+ c)	+ c)

F0 lactation)1 : Before administration, 2 : After administration, 3 : Necropsy day
H9:Left axilla, J3:Left inguina
a) : 25×15×3 mm
b) : 25×15×7 mm
c) : 10×5×2 mm

Clinical sign
Sex : Female

Period : F0 before mating Day 1-14, F0 mating Day 15-27
Dose : 2-Methylpentane 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		18	
		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	19		20		21		22		23		24		25		26		27	
		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																			

F0 before mating; F0 mating)1 : Before administration, 2 : After administration

Clinical sign
Sex : Female

Period : F0 gestation Day 0-22
Dose : 2-Methylpentane 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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	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	18		19		20		21		22	
		Time	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		-	-	-	-	-	-	-	-	-	-

F0 gestation)1 : Before administration, 2 : After administration

Clinical sign
Sex : Female

Period : F0 lactation Day 0-5
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	Clinical signs	Day	0		1		2		3		4		5
		Time	1	2	1	2	1	2	1	2	1	2	3
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		-	-	-	-	-	-	-	-	-	-	-

F0 lactation)1 : Before administration, 2 : After administration, 3 : Necropsy day

Clinical sign
Sex : Female (satellite)

Period : Administration Day 1-29
Dose : 2-Methylpentane 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		15		16		17		18	
		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	19		20		21		22		23		24		25		26		27	
		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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Administration)1 : Before administration, 2 : After administration

Clinical sign
Sex : Female (satellite)

Period : Administration Day 1-29
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

Animal No.	Clinical signs	Day 28 Time 1	2	29 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	-	-	

Administration)1 : Before administration, 2 : After administration, 3 : Necropsy day

Clinical sign
Sex : Female (satellite)

Period : Administration Day 1-29
Dose : 2-Methylpentane 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	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	10		11		12		13		14		15		16		17		18	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50651	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	19		20		21		22		23		24		25		26		27	
		Time	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
50651	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Administration)1 : Before administration, 2 : After administration

Clinical sign
Sex : Female (satellite)

Period : Administration Day 1-29
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	Clinical signs	Day 28 Time 1	2	29 3
50651	No abnormality	-	-	-
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	-	-	

Administration)1 : Before administration, 2 : After administration, 3 : Necropsy day

Clinical sign
Sex : Male

Period : Recovery Day 1-15
Dose : 2-Methylpentane 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
10102	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10105	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		-	-	-	-	-	-	-	-	-	-	-
10105	No abnormality		-	-	-	-	-	-	-	-	-	-	-
10109	No abnormality		-	-	-	-	-	-	-	-	-	-	-
10110	No abnormality		-	-	-	-	-	-	-	-	-	-	-
10112	No abnormality		-	-	-	-	-	-	-	-	-	-	-

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

Clinical sign
Sex : Male

Period : Recovery Day 1-15
Dose : 2-Methylpentane 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
10402	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10404	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10406	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10407	No abnormality		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10412	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		-	-	-	-	-	-	-	-	-	-	-
10406	No abnormality		-	-	-	-	-	-	-	-	-	-	-
10407	No abnormality		-	-	-	-	-	-	-	-	-	-	-
10412	No abnormality		-	-	-	-	-	-	-	-	-	-	-

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

Clinical sign
Sex : Female (satellite)

Period : Recovery Day 1-15
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

		Day	1		2		3		4		5		6		7		8		9	
Animal No.	Clinical signs	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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Day	10		11		12		13		14		15
Animal No.	Clinical signs	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		-	-	-	-	-	-	-	-	-	-	-

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

Clinical sign
Sex : Female (satellite)

Period : Recovery Day 1-15
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

		Day	1		2		3		4		5		6		7		8		9	
Animal No.	Clinical signs	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		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

		Day	10		11		12		13		14		15
Animal No.	Clinical signs	Time	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		-	-	-	-	-	-	-	-	-	-	-

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

Detailed clinical observation (in the cage) Stage : Pre administration
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

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 : Pre administration
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

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 : Pre administration
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

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 : Pre administration
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	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
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

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
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

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
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

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
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	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
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	11	11	11	11	11	11

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
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

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
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

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
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

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
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	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
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	11	11	11	11	11	11

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
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

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 21
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

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
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

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
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	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
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	11	11	11	11	11	11

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
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

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
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

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 28
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

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
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	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
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	11	11	11	11	11	11

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 administration
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

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;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 administration
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

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;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 administration
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

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;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 administration
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

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;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
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

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;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 35
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

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;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 35
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

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;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 35
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

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;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 35
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

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;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 42
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50152	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
50161	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 : Day 42
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

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
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
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;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 42
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

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
50356	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	10	10	10	10	10	10

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 42
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
50451	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
50461	1	1	1	0	0	1
50462	1	1	1	0	0	1
n	8	8	8	8	8	8

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 administration
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

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;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 administration
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

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;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
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

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;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
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

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;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
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

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;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
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

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;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
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

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;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
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

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;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
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

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;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
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

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;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 : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10102	1	1	1	0	0	1
10105	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 : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10402	1	1	1	0	0	1
10404	1	1	1	0	0	1
10406	1	1	1	0	0	1
10407	1	1	1	0	0	1
10412	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 : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10102	1	1	1	0	0	1
10105	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 : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
10402	1	1	1	0	0	1
10404	1	1	1	0	0	1
10406	1	1	1	0	0	1
10407	1	1	1	0	0	1
10412	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 : 2-Methylpentane 0 mg/kg Species : Rat

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 7
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

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 : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Body position/ Posture	Respiratory pattern	Tremor/ Convulsion	Rolling	Repetitive circling	Self biting
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 administration
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10101	1	1	2	1	1	1	0	1	1	1	1
10102	1	1	2	1	1	1	0	1	1	1	1
10103	1	1	2	1	1	1	0	1	1	1	1
10104	1	1	2	1	1	1	0	1	1	1	1
10105	1	1	2	1	1	1	0	1	1	1	1
10106	1	1	2	1	1	1	0	1	1	1	1
10107	1	1	2	1	1	1	0	1	1	1	1
10108	1	1	2	1	1	1	0	1	1	1	1
10109	1	1	2	1	1	1	0	1	1	1	1
10110	1	1	2	1	1	1	0	1	1	1	1
10111	1	1	2	1	1	1	0	1	1	1	1
10112	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10101	0
10102	0
10103	0
10104	0
10105	0
10106	0
10107	0
10108	0
10109	0
10110	0
10111	0
10112	0
n	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 administration
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10201	1	1	2	1	1	1	0	1	1	1	1
10202	1	1	2	1	1	1	0	1	1	1	1
10203	1	1	2	1	1	1	0	1	1	1	1
10204	1	1	2	1	1	1	0	1	1	1	1
10205	1	1	2	1	1	1	0	1	1	1	1
10206	1	1	2	1	1	1	0	1	1	1	1
10207	1	1	2	1	1	1	0	1	1	1	1
10208	1	1	2	1	1	1	0	1	1	1	1
10209	1	1	2	1	1	1	0	1	1	1	1
10210	1	1	2	1	1	1	0	1	1	1	1
10211	1	1	2	1	1	1	0	1	1	1	1
10212	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10201	0
10202	0
10203	0
10204	0
10205	0
10206	0
10207	0
10208	0
10209	0
10210	0
10211	0
10212	0
n	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 administration
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10301	1	1	2	1	1	1	0	1	1	1	1
10302	1	1	2	1	1	1	0	1	1	1	1
10303	1	1	2	1	1	1	0	1	1	1	1
10304	1	1	2	1	1	1	0	1	1	1	1
10305	1	1	2	1	1	1	0	1	1	1	1
10306	1	1	2	1	1	1	0	1	1	1	1
10307	1	1	2	1	1	1	0	1	1	1	1
10308	1	1	2	1	1	1	0	1	1	1	1
10309	1	1	2	1	1	1	0	1	1	1	1
10310	1	1	2	1	1	1	0	1	1	1	1
10311	1	1	2	1	1	1	0	1	1	1	1
10312	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10301	0
10302	0
10303	0
10304	0
10305	0
10306	0
10307	0
10308	0
10309	0
10310	0
10311	0
10312	0
n	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 administration
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10401	1	1	2	1	1	1	0	1	1	1	1
10402	1	1	2	1	1	1	0	1	1	1	1
10403	1	1	2	1	1	1	0	1	1	1	1
10404	1	1	2	1	1	1	0	1	1	1	1
10405	1	1	2	1	1	1	0	1	1	1	1
10406	1	1	2	1	1	1	0	1	1	1	1
10407	1	1	2	1	1	1	0	1	1	1	1
10408	1	1	2	1	1	1	0	1	1	1	1
10409	1	1	2	1	1	1	0	1	1	1	1
10410	1	1	2	1	1	1	0	1	1	1	1
10411	1	1	2	1	1	1	0	1	1	1	1
10412	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10401	0
10402	0
10403	0
10404	0
10405	0
10406	0
10407	0
10408	0
10409	0
10410	0
10411	0
10412	0
n	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
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10101	1	1	2	1	1	1	0	1	1	1	1
10102	1	1	2	1	1	1	0	1	1	1	1
10103	1	1	2	1	1	1	0	1	1	1	1
10104	1	1	2	1	1	1	0	1	1	1	1
10105	1	1	2	1	1	1	0	1	1	1	1
10106	1	1	2	1	1	1	0	1	1	1	1
10107	1	1	2	1	1	1	0	1	1	1	1
10108	1	1	2	1	1	1	0	1	1	1	1
10109	1	1	2	1	1	1	0	1	1	1	1
10110	1	1	2	1	1	1	0	1	1	1	1
10111	1	1	2	1	1	1	0	1	1	1	1
10112	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10101	0
10102	0
10103	0
10104	0
10105	0
10106	0
10107	0
10108	0
10109	0
10110	0
10111	0
10112	0
n	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
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10201	1	1	2	1	1	1	0	1	1	1	1
10202	1	1	2	1	1	1	0	1	1	1	1
10203	1	1	2	1	1	1	0	1	1	1	1
10204	1	1	2	1	1	1	0	1	1	1	1
10205	1	1	2	1	1	1	0	1	1	1	1
10206	1	1	2	1	1	1	0	1	1	1	1
10207	1	1	2	1	1	1	0	1	1	1	1
10208	1	1	2	1	1	1	0	1	1	1	1
10209	1	1	2	1	1	1	0	1	1	1	1
10210	1	1	2	1	1	1	0	1	1	1	1
10211	1	1	2	1	1	1	0	1	1	1	1
10212	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10201	0
10202	0
10203	0
10204	0
10205	0
10206	0
10207	0
10208	0
10209	0
10210	0
10211	0
10212	0
n	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
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10301	1	1	2	1	1	1	0	1	1	1	1
10302	1	1	2	1	1	1	0	1	1	1	1
10303	1	1	2	1	1	1	0	1	1	1	1
10304	1	1	2	1	1	1	0	1	1	1	1
10305	1	1	2	1	1	1	0	1	1	1	1
10306	1	1	2	1	1	1	0	1	1	1	1
10307	1	1	2	1	1	1	0	1	1	1	1
10308	1	1	2	1	1	1	0	1	1	1	1
10309	1	1	2	1	1	1	0	1	1	1	1
10310	1	1	2	1	1	1	0	1	1	1	1
10311	1	1	2	1	1	1	0	1	1	1	1
10312	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10301	0
10302	0
10303	0
10304	0
10305	0
10306	0
10307	0
10308	0
10309	0
10310	0
10311	0
10312	0
n	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
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10401	1	1	2	1	1	1	0	1	1	1	1
10402	1	1	2	1	1	1	0	1	1	1	1
10403	1	1	2	1	1	1	0	1	1	1	1
10404	1	1	2	1	1	1	0	1	1	1	1
10405	1	1	2	1	1	1	0	1	1	1	1
10406	1	1	2	1	1	1	0	1	1	1	1
10407	1	1	2	1	1	1	0	1	1	1	1
10409	1	1	2	1	1	1	0	1	1	1	1
10410	1	1	2	1	1	1	0	1	1	1	1
10411	1	1	2	1	1	1	0	1	1	1	1
10412	1	1	2	1	1	1	0	1	1	1	1
n	11	11	11	11	11	11	11	11	11	11	11

Animal No.	Secretions/ Excretions
10401	0
10402	0
10403	0
10404	0
10405	0
10406	0
10407	0
10409	0
10410	0
10411	0
10412	0
n	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 14
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10101	1	1	2	1	1	1	0	1	1	1	1
10102	1	1	2	1	1	1	0	1	1	1	1
10103	1	1	2	1	1	1	0	1	1	1	1
10104	1	1	2	1	1	1	0	1	1	1	1
10105	1	1	2	1	1	1	0	1	1	1	1
10106	1	1	2	1	1	1	0	1	1	1	1
10107	1	1	2	1	1	1	0	1	1	1	1
10108	1	1	2	1	1	1	0	1	1	1	1
10109	1	1	2	1	1	1	0	1	1	1	1
10110	1	1	2	1	1	1	0	1	1	1	1
10111	1	1	2	1	1	1	0	1	1	1	1
10112	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10101	0
10102	0
10103	0
10104	0
10105	0
10106	0
10107	0
10108	0
10109	0
10110	0
10111	0
10112	0
n	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
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10201	1	1	2	1	1	1	0	1	1	1	1
10202	1	1	2	1	1	1	0	1	1	1	1
10203	1	1	2	1	1	1	0	1	1	1	1
10204	1	1	2	1	1	1	0	1	1	1	1
10205	1	1	2	1	1	1	0	1	1	1	1
10206	1	1	2	1	1	1	0	1	1	1	1
10207	1	1	2	1	1	1	0	1	1	1	1
10208	1	1	2	1	1	1	0	1	1	1	1
10209	1	1	2	1	1	1	0	1	1	1	1
10210	1	1	2	1	1	1	0	1	1	1	1
10211	1	1	2	1	1	1	0	1	1	1	1
10212	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10201	0
10202	0
10203	0
10204	0
10205	0
10206	0
10207	0
10208	0
10209	0
10210	0
10211	0
10212	0
n	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
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10301	1	1	2	1	1	1	0	1	1	1	1
10302	1	1	2	1	1	1	0	1	1	1	1
10303	1	1	2	1	1	1	0	1	1	1	1
10304	1	1	2	1	1	1	0	1	1	1	1
10305	1	1	2	1	1	1	0	1	1	1	1
10306	1	1	2	1	1	1	0	1	1	1	1
10307	1	1	2	1	1	1	0	1	1	1	1
10308	1	1	2	1	1	1	0	1	1	1	1
10309	1	1	2	1	1	1	0	1	1	1	1
10310	1	1	2	1	1	1	0	1	1	1	1
10311	1	1	2	1	1	1	0	1	1	1	1
10312	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10301	0
10302	0
10303	0
10304	0
10305	0
10306	0
10307	0
10308	0
10309	0
10310	0
10311	0
10312	0
n	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
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10401	1	1	2	1	1	1	0	1	1	1	1
10402	1	1	2	1	1	1	0	1	1	1	1
10403	1	1	2	1	1	1	0	1	1	1	1
10404	1	1	2	1	1	1	0	1	1	1	1
10405	1	1	2	1	1	1	0	1	1	1	1
10406	1	1	2	1	1	1	0	1	1	1	1
10407	1	1	2	1	1	1	0	1	1	1	1
10409	1	1	2	1	1	1	0	1	1	1	1
10410	1	1	2	1	1	1	0	1	1	1	1
10411	1	1	2	1	1	1	0	1	1	1	1
10412	1	1	2	1	1	1	0	1	1	1	1
n	11	11	11	11	11	11	11	11	11	11	11

Animal No.	Secretions/ Excretions
10401	0
10402	0
10403	0
10404	0
10405	0
10406	0
10407	0
10409	0
10410	0
10411	0
10412	0
n	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 21
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10101	1	1	2	1	1	1	0	1	1	1	1
10102	1	1	2	1	1	1	0	1	1	1	1
10103	1	1	2	1	1	1	0	1	1	1	1
10104	1	1	2	1	1	1	0	1	1	1	1
10105	1	1	2	1	1	1	0	1	1	1	1
10106	1	1	2	1	1	1	0	1	1	1	1
10107	1	1	2	1	1	1	0	1	1	1	1
10108	1	1	2	1	1	1	0	1	1	1	1
10109	1	1	2	1	1	1	0	1	1	1	1
10110	1	1	2	1	1	1	0	1	1	1	1
10111	1	1	2	1	1	1	0	1	1	1	1
10112	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10101	0
10102	0
10103	0
10104	0
10105	0
10106	0
10107	0
10108	0
10109	0
10110	0
10111	0
10112	0
n	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
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10201	1	1	2	1	1	1	0	1	1	1	1
10202	1	1	2	1	1	1	0	1	1	1	1
10203	1	1	2	1	1	1	0	1	1	1	1
10204	1	1	2	1	1	1	0	1	1	1	1
10205	1	1	2	1	1	1	0	1	1	1	1
10206	1	1	2	1	1	1	0	1	1	1	1
10207	1	1	2	1	1	1	0	1	1	1	1
10208	1	1	2	1	1	1	0	1	1	1	1
10209	1	1	2	1	1	1	0	1	1	1	1
10210	1	1	2	1	1	1	0	1	1	1	1
10211	1	1	2	1	1	1	0	1	1	1	1
10212	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10201	0
10202	0
10203	0
10204	0
10205	0
10206	0
10207	0
10208	0
10209	0
10210	0
10211	0
10212	0
n	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
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10301	1	1	2	1	1	1	0	1	1	1	1
10302	1	1	2	1	1	1	0	1	1	1	1
10303	1	1	2	1	1	1	0	1	1	1	1
10304	1	1	2	1	1	1	0	1	1	1	1
10305	1	1	2	1	1	1	0	1	1	1	1
10306	1	1	2	1	1	1	0	1	1	1	1
10307	1	1	2	1	1	1	0	1	1	1	1
10308	1	1	2	1	1	1	0	1	1	1	1
10309	1	1	2	1	1	1	0	1	1	1	1
10310	1	1	2	1	1	1	0	1	1	1	1
10311	1	1	2	1	1	1	0	1	1	1	1
10312	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10301	0
10302	0
10303	0
10304	0
10305	0
10306	0
10307	0
10308	0
10309	0
10310	0
10311	0
10312	0
n	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
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10401	1	1	2	1	1	1	0	1	1	1	1
10402	1	1	2	1	1	1	0	1	1	1	1
10403	1	1	2	1	1	1	0	1	1	1	1
10404	1	1	2	1	1	1	0	1	1	1	1
10405	1	1	2	1	1	1	0	1	1	1	1
10406	1	1	2	1	1	1	0	1	1	1	1
10407	1	1	2	1	1	1	0	1	1	1	1
10409	1	1	2	1	1	1	0	1	1	1	1
10410	1	1	2	1	1	1	0	1	1	1	1
10411	1	1	2	1	1	1	0	1	1	1	1
10412	1	1	2	1	1	1	0	1	1	1	1
n	11	11	11	11	11	11	11	11	11	11	11

Animal No.	Secretions/ Excretions
10401	0
10402	0
10403	0
10404	0
10405	0
10406	0
10407	0
10409	0
10410	0
10411	0
10412	0
n	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 28
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10101	1	1	2	1	1	1	0	1	1	1	1
10102	1	1	2	1	1	1	0	1	1	1	1
10103	1	1	2	1	1	1	0	1	1	1	1
10104	1	1	2	1	1	1	0	1	1	1	1
10105	1	1	2	1	1	1	0	1	1	1	1
10106	1	1	2	1	1	1	0	1	1	1	1
10107	1	1	2	1	1	1	0	1	1	1	1
10108	1	1	2	1	1	1	0	1	1	1	1
10109	1	1	2	1	1	1	0	1	1	1	1
10110	1	1	2	1	1	1	0	1	1	1	1
10111	1	1	2	1	1	1	0	1	1	1	1
10112	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10101	0
10102	0
10103	0
10104	0
10105	0
10106	0
10107	0
10108	0
10109	0
10110	0
10111	0
10112	0
n	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
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10201	1	1	2	1	1	1	0	1	1	1	1
10202	1	1	2	1	1	1	0	1	1	1	1
10203	1	1	2	1	1	1	0	1	1	1	1
10204	1	1	2	1	1	1	0	1	1	1	1
10205	1	1	2	1	1	1	0	1	1	1	1
10206	1	1	2	1	1	1	0	1	1	1	1
10207	1	1	2	1	1	1	0	1	1	1	1
10208	1	1	2	1	1	1	0	1	1	1	1
10209	1	1	2	1	1	1	0	1	1	1	1
10210	1	1	2	1	1	1	0	1	1	1	1
10211	1	1	2	1	1	1	0	1	1	1	1
10212	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10201	0
10202	0
10203	0
10204	0
10205	0
10206	0
10207	0
10208	0
10209	0
10210	0
10211	0
10212	0
n	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
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10301	1	1	2	1	1	1	0	1	1	1	1
10302	1	1	2	1	1	1	0	1	1	1	1
10303	1	1	2	1	1	1	0	1	1	1	1
10304	1	1	2	1	1	1	0	1	1	1	1
10305	1	1	2	1	1	1	0	1	1	1	1
10306	1	1	2	1	1	1	0	1	1	1	1
10307	1	1	2	1	1	1	0	1	1	1	1
10308	1	1	2	1	1	1	0	1	1	1	1
10309	1	1	2	1	1	1	0	1	1	1	1
10310	1	1	2	1	1	1	0	1	1	1	1
10311	1	1	2	1	1	1	0	1	1	1	1
10312	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
10301	0
10302	0
10303	0
10304	0
10305	0
10306	0
10307	0
10308	0
10309	0
10310	0
10311	0
10312	0
n	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
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10401	1	1	2	1	1	1	0	1	1	1	1
10402	1	1	2	1	1	1	0	1	1	1	1
10403	1	1	2	1	1	1	0	1	1	1	1
10404	1	1	2	1	1	1	0	1	1	1	1
10405	1	1	2	1	1	1	0	1	1	1	1
10406	1	1	2	1	1	1	0	1	1	1	1
10407	1	1	2	1	1	1	0	1	1	1	1
10409	1	1	2	1	1	1	0	1	1	1	1
10410	1	1	2	1	1	1	0	1	1	1	1
10411	1	1	2	1	1	1	0	1	1	1	1
10412	1	1	2	1	1	1	0	1	1	1	1
n	11	11	11	11	11	11	11	11	11	11	11

Animal No.	Secretions/ Excretions
10401	0
10402	0
10403	0
10404	0
10405	0
10406	0
10407	0
10409	0
10410	0
10411	0
10412	0
n	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 : Pre administration
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50151	1	1	2	1	1	1	0	1	1	1	1
50152	1	1	2	1	1	1	0	1	1	1	1
50153	1	1	2	1	1	1	0	1	1	1	1
50154	1	1	2	1	1	1	0	1	1	1	1
50155	1	1	2	1	1	1	0	1	1	1	1
50156	1	1	2	1	1	1	0	1	1	1	1
50157	1	1	2	1	1	1	0	1	1	1	1
50158	1	1	2	1	1	1	0	1	1	1	1
50159	1	1	2	1	1	1	0	1	1	1	1
50160	1	1	2	1	1	1	0	1	1	1	1
50161	1	1	2	1	1	1	0	1	1	1	1
50162	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50151	0
50152	0
50153	0
50154	0
50155	0
50156	0
50157	0
50158	0
50159	0
50160	0
50161	0
50162	0
n	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 administration
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50251	1	1	2	1	1	1	0	1	1	1	1
50252	1	1	2	1	1	1	0	1	1	1	1
50253	1	1	2	1	1	1	0	1	1	1	1
50254	1	1	2	1	1	1	0	1	1	1	1
50255	1	1	2	1	1	1	0	1	1	1	1
50256	1	1	2	1	1	1	0	1	1	1	1
50257	1	1	2	1	1	1	0	1	1	1	1
50258	1	1	2	1	1	1	0	1	1	1	1
50259	1	1	2	1	1	1	0	1	1	1	1
50260	1	1	2	1	1	1	0	1	1	1	1
50261	1	1	2	1	1	1	0	1	1	1	1
50262	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50251	0
50252	0
50253	0
50254	0
50255	0
50256	0
50257	0
50258	0
50259	0
50260	0
50261	0
50262	0
n	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 administration
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50351	1	1	2	1	1	1	0	1	1	1	1
50352	1	1	2	1	1	1	0	1	1	1	1
50353	1	1	2	1	1	1	0	1	1	1	1
50354	1	1	2	1	1	1	0	1	1	1	1
50355	1	1	2	1	1	1	0	1	1	1	1
50356	1	1	2	1	1	1	0	1	1	1	1
50357	1	1	2	1	1	1	0	1	1	1	1
50358	1	1	2	1	1	1	0	1	1	1	1
50359	1	1	2	1	1	1	0	1	1	1	1
50360	1	1	2	1	1	1	0	1	1	1	1
50361	1	1	2	1	1	1	0	1	1	1	1
50362	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50351	0
50352	0
50353	0
50354	0
50355	0
50356	0
50357	0
50358	0
50359	0
50360	0
50361	0
50362	0
n	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 administration
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50451	1	1	2	1	1	1	0	1	1	1	1
50452	1	1	2	1	1	1	0	1	1	1	1
50453	1	1	2	1	1	1	0	1	1	1	1
50454	1	1	2	1	1	1	0	1	1	1	1
50455	1	1	2	1	1	1	0	1	1	1	1
50456	1	1	2	1	1	1	0	1	1	1	1
50457	1	1	2	1	1	1	0	1	1	1	1
50458	1	1	2	1	1	1	0	1	1	1	1
50459	1	1	2	1	1	1	0	1	1	1	1
50460	1	1	2	1	1	1	0	1	1	1	1
50461	1	1	2	1	1	1	0	1	1	1	1
50462	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50451	0
50452	0
50453	0
50454	0
50455	0
50456	0
50457	0
50458	0
50459	0
50460	0
50461	0
50462	0
n	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
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50151	1	1	2	1	1	1	0	1	1	1	1
50152	1	1	2	1	1	1	0	1	1	1	1
50153	1	1	2	1	1	1	0	1	1	1	1
50154	1	1	2	1	1	1	0	1	1	1	1
50155	1	1	2	1	1	1	0	1	1	1	1
50156	1	1	2	1	1	1	0	1	1	1	1
50157	1	1	2	1	1	1	0	1	1	1	1
50158	1	1	2	1	1	1	0	1	1	1	1
50159	1	1	2	1	1	1	0	1	1	1	1
50160	1	1	2	1	1	1	0	1	1	1	1
50161	1	1	2	1	1	1	0	1	1	1	1
50162	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50151	0
50152	0
50153	0
50154	0
50155	0
50156	0
50157	0
50158	0
50159	0
50160	0
50161	0
50162	0
n	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
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50251	1	1	2	1	1	1	0	1	1	1	1
50252	1	1	2	1	1	1	0	1	1	1	1
50253	1	1	2	1	1	1	0	1	1	1	1
50254	1	1	2	1	1	1	0	1	1	1	1
50255	1	1	2	1	1	1	0	1	1	1	1
50256	1	1	2	1	1	1	0	1	1	1	1
50257	1	1	2	1	1	1	0	1	1	1	1
50258	1	1	2	1	1	1	0	1	1	1	1
50259	1	1	2	1	1	1	0	1	1	1	1
50260	1	1	2	1	1	1	0	1	1	1	1
50261	1	1	2	1	1	1	0	1	1	1	1
50262	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50251	0
50252	0
50253	0
50254	0
50255	0
50256	0
50257	0
50258	0
50259	0
50260	0
50261	0
50262	0
n	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
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50351	1	1	2	1	1	1	0	1	1	1	1
50352	1	1	2	1	1	1	0	1	1	1	1
50353	1	1	2	1	1	1	0	1	1	1	1
50354	1	1	2	1	1	1	0	1	1	1	1
50355	1	1	2	1	1	1	0	1	1	1	1
50356	1	1	2	1	1	1	0	1	1	1	1
50357	1	1	2	1	1	1	0	1	1	1	1
50358	1	1	2	1	1	1	0	1	1	1	1
50359	1	1	2	1	1	1	0	1	1	1	1
50360	1	1	2	1	1	1	0	1	1	1	1
50361	1	1	2	1	1	1	0	1	1	1	1
50362	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50351	0
50352	0
50353	0
50354	0
50355	0
50356	0
50357	0
50358	0
50359	0
50360	0
50361	0
50362	0
n	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
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50451	1	1	2	1	1	1	0	1	1	1	1
50452	1	1	2	1	1	1	0	1	1	1	1
50453	1	1	2	1	1	1	0	1	1	1	1
50454	1	1	2	1	1	1	0	1	1	1	1
50455	1	1	2	1	1	1	0	1	1	1	1
50456	1	1	2	1	1	1	0	1	1	1	1
50457	1	1	2	1	1	1	0	1	1	1	1
50458	1	1	2	1	1	1	0	1	1	1	1
50459	1	1	2	1	1	1	0	1	1	1	1
50460	1	1	2	1	1	1	0	1	1	1	1
50461	1	1	2	1	1	1	0	1	1	1	1
50462	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50451	0
50452	0
50453	0
50454	0
50455	0
50456	0
50457	0
50458	0
50459	0
50460	0
50461	0
50462	0
n	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
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50151	1	1	2	1	1	1	0	1	1	1	1
50152	1	1	2	1	1	1	0	1	1	1	1
50153	1	1	2	1	1	1	0	1	1	1	1
50154	1	1	2	1	1	1	0	1	1	1	1
50155	1	1	2	1	1	1	0	1	1	1	1
50156	1	1	2	1	1	1	1	1	1	1	1
50157	1	1	2	1	1	1	0	1	1	1	1
50158	1	1	2	1	1	1	0	1	1	1	1
50159	1	1	2	1	1	1	0	1	1	1	1
50160	1	1	2	1	1	1	0	1	1	1	1
50161	1	1	2	1	1	1	0	1	1	1	1
50162	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50151	0
50152	0
50153	0
50154	0
50155	0
50156	0
50157	0
50158	0
50159	0
50160	0
50161	0
50162	0
n	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
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50251	1	1	2	1	1	1	0	1	1	1	1
50252	1	1	2	1	1	1	0	1	1	1	1
50253	1	1	2	1	1	1	0	1	1	1	1
50254	1	1	2	1	1	1	0	1	1	1	1
50255	1	1	2	1	1	1	0	1	1	1	1
50256	1	1	2	1	1	1	0	1	1	1	1
50257	1	1	2	1	1	1	0	1	1	1	1
50258	1	1	2	1	1	1	0	1	1	1	1
50259	1	1	2	1	1	1	0	1	1	1	1
50260	1	1	2	1	1	1	0	1	1	1	1
50261	1	1	2	1	1	1	0	1	1	1	1
50262	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50251	0
50252	0
50253	0
50254	0
50255	0
50256	0
50257	0
50258	0
50259	0
50260	0
50261	0
50262	0
n	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
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50351	1	1	2	1	1	1	0	1	1	1	1
50352	1	1	2	1	1	1	0	1	1	1	1
50353	1	1	2	1	1	1	0	1	1	1	1
50354	1	1	2	1	1	1	0	1	1	1	1
50355	1	1	2	1	1	1	0	1	1	1	1
50356	1	1	2	1	1	1	0	1	1	1	1
50357	1	1	2	1	1	1	0	1	1	1	1
50358	1	1	2	1	1	1	0	1	1	1	1
50359	1	1	2	1	1	1	0	1	1	1	1
50360	1	1	2	1	1	1	0	1	1	1	1
50361	1	1	2	1	1	1	0	1	1	1	1
50362	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50351	0
50352	0
50353	0
50354	0
50355	0
50356	0
50357	0
50358	0
50359	0
50360	0
50361	0
50362	0
n	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
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50451	1	1	2	1	1	1	0	1	1	1	1
50452	1	1	2	1	1	1	0	1	1	1	1
50453	1	1	2	1	1	1	0	1	1	1	1
50454	1	1	2	1	1	1	0	1	1	1	1
50455	1	1	2	1	1	1	0	1	1	1	1
50456	1	1	2	1	1	1	0	1	1	1	1
50457	1	1	2	1	1	1	0	1	1	1	1
50458	1	1	2	1	1	1	0	1	1	1	1
50459	1	1	2	1	1	1	0	1	1	1	1
50460	1	1	2	1	1	1	0	1	1	1	1
50461	1	1	2	1	1	1	0	1	1	1	1
50462	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50451	0
50452	0
50453	0
50454	0
50455	0
50456	0
50457	0
50458	0
50459	0
50460	0
50461	0
50462	0
n	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
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50151	1	1	2	1	1	1	0	1	1	1	1
50152	1	1	2	1	1	1	0	1	1	1	1
50153	1	1	2	1	1	1	0	1	1	1	1
50154	1	1	2	1	1	1	0	1	1	1	1
50155	1	1	2	1	1	1	0	1	1	1	1
50156	1	1	2	1	1	1	0	1	1	1	1
50157	1	1	2	1	1	1	0	1	1	1	1
50158	1	1	2	1	1	1	0	1	1	1	1
50159	1	1	2	1	1	1	0	1	1	1	1
50160	1	1	2	1	1	1	0	1	1	1	1
50161	1	1	2	1	1	1	0	1	1	1	1
50162	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50151	0
50152	0
50153	0
50154	0
50155	0
50156	0
50157	0
50158	0
50159	0
50160	0
50161	0
50162	0
n	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
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50251	1	1	2	1	1	1	0	1	1	1	1
50252	1	1	2	1	1	1	0	1	1	1	1
50253	1	1	2	1	1	1	0	1	1	1	1
50254	1	1	2	1	1	1	0	1	1	1	1
50255	1	1	2	1	1	1	0	1	1	1	1
50256	1	1	2	1	1	1	0	1	1	1	1
50257	1	1	2	1	1	1	0	1	1	1	1
50258	1	1	2	1	1	1	0	1	1	1	1
50259	1	1	2	1	1	1	0	1	1	1	1
50260	1	1	2	1	1	1	0	1	1	1	1
50261	1	1	2	1	1	1	0	1	1	1	1
50262	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50251	0
50252	0
50253	0
50254	0
50255	0
50256	0
50257	0
50258	0
50259	0
50260	0
50261	0
50262	0
n	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
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50351	1	1	2	1	1	1	0	1	1	1	1
50352	1	1	2	1	1	1	0	1	1	1	1
50353	1	1	2	1	1	1	0	1	1	1	1
50354	1	1	2	1	1	1	0	1	1	1	1
50355	1	1	2	1	1	1	0	1	1	1	1
50356	1	1	2	1	1	1	0	1	1	1	1
50357	1	1	2	1	1	1	0	1	1	1	1
50358	1	1	2	1	1	1	0	1	1	1	1
50359	1	1	2	1	1	1	0	1	1	1	1
50360	1	1	2	1	1	1	0	1	1	1	1
50361	1	1	2	1	1	1	0	1	1	1	1
50362	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50351	0
50352	0
50353	0
50354	0
50355	0
50356	0
50357	0
50358	0
50359	0
50360	0
50361	0
50362	0
n	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
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50451	1	1	2	1	1	1	0	1	1	1	1
50452	1	1	2	1	1	1	0	1	1	1	1
50453	1	1	2	1	1	1	0	1	1	1	1
50454	1	1	2	1	1	1	0	1	1	1	1
50455	1	1	2	1	1	1	0	1	1	1	1
50456	1	1	2	1	1	1	0	1	1	1	1
50457	1	1	2	1	1	1	0	1	1	1	1
50458	1	1	2	1	1	1	0	1	1	1	1
50459	1	1	2	1	1	1	0	1	1	1	1
50460	1	1	2	1	1	1	0	1	1	1	1
50461	1	1	2	1	1	1	0	1	1	1	1
50462	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50451	0
50452	0
50453	0
50454	0
50455	0
50456	0
50457	0
50458	0
50459	0
50460	0
50461	0
50462	0
n	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
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50151	1	1	2	1	1	1	0	1	1	1	1
50152	1	1	2	1	1	1	0	1	1	1	1
50153	1	1	2	1	1	1	0	1	1	1	1
50154	1	1	2	1	1	1	0	1	1	1	1
50155	1	1	2	1	1	1	0	1	1	1	1
50156	1	1	2	1	1	1	0	1	1	1	1
50157	1	1	2	1	1	1	0	1	1	1	1
50158	1	1	2	1	1	1	0	1	1	1	1
50159	1	1	2	1	1	1	0	1	1	1	1
50160	1	1	2	1	1	1	0	1	1	1	1
50161	1	1	2	1	1	1	0	1	1	1	1
50162	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50151	0
50152	0
50153	0
50154	0
50155	0
50156	0
50157	0
50158	0
50159	0
50160	0
50161	0
50162	0
n	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
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50251	1	1	2	1	1	1	0	1	1	1	1
50252	1	1	2	1	1	1	0	1	1	1	1
50253	1	1	2	1	1	1	0	1	1	1	1
50254	1	1	2	1	1	1	0	1	1	1	1
50255	1	1	2	1	1	1	0	1	1	1	1
50256	1	1	2	1	1	1	0	1	1	1	1
50257	1	1	2	1	1	1	0	1	1	1	1
50258	1	1	2	1	1	1	0	1	1	1	1
50259	1	1	2	1	1	1	0	1	1	1	1
50260	1	1	2	1	1	1	0	1	1	1	1
50261	1	1	2	1	1	1	0	1	1	1	1
50262	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50251	0
50252	0
50253	0
50254	0
50255	0
50256	0
50257	0
50258	0
50259	0
50260	0
50261	0
50262	0
n	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
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50351	1	1	2	1	1	1	0	1	1	1	1
50352	1	1	2	1	1	1	0	1	1	1	1
50353	1	1	2	1	1	1	0	1	1	1	1
50354	1	1	2	1	1	1	0	1	1	1	1
50355	1	1	2	1	1	1	0	1	1	1	1
50356	1	1	2	1	1	1	0	1	1	1	1
50357	1	1	2	1	1	1	0	1	1	1	1
50358	1	1	2	1	1	1	0	1	1	1	1
50359	1	1	2	1	1	1	0	1	1	1	1
50360	1	1	2	1	1	1	0	1	1	1	1
50361	1	1	2	1	1	1	0	1	1	1	1
50362	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50351	0
50352	0
50353	0
50354	0
50355	0
50356	0
50357	0
50358	0
50359	0
50360	0
50361	0
50362	0
n	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
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50451	1	1	2	1	1	1	0	1	1	1	1
50452	1	1	2	1	1	1	0	1	1	1	1
50453	1	1	2	1	1	1	0	1	1	1	1
50454	1	1	2	1	1	1	0	1	1	1	1
50455	1	1	2	1	1	1	0	1	1	1	1
50456	1	1	2	1	1	1	0	1	1	1	1
50457	1	1	2	1	1	1	0	1	1	1	1
50458	1	1	2	1	1	1	0	1	1	1	1
50459	1	1	2	1	1	1	0	1	1	1	1
50460	1	1	2	1	1	1	0	1	1	1	1
50461	1	1	2	1	1	1	0	1	1	1	1
50462	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50451	0
50452	0
50453	0
50454	0
50455	0
50456	0
50457	0
50458	0
50459	0
50460	0
50461	0
50462	0
n	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
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50151	1	1	2	1	1	1	0	1	1	1	1
50152	1	1	2	1	1	1	0	1	1	1	1
50153	1	1	2	1	1	1	0	1	1	1	1
50154	1	1	2	1	1	1	0	1	1	1	1
50155	1	1	2	1	1	1	0	1	1	1	1
50156	1	1	2	1	1	1	0	1	1	1	1
50157	1	1	2	1	1	1	0	1	1	1	1
50158	1	1	2	1	1	1	0	1	1	1	1
50159	1	1	2	1	1	1	0	1	1	1	1
50160	1	1	2	1	1	1	0	1	1	1	1
50161	1	1	2	1	1	1	0	1	1	1	1
50162	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50151	0
50152	0
50153	0
50154	0
50155	0
50156	0
50157	0
50158	0
50159	0
50160	0
50161	0
50162	0
n	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
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50251	1	1	2	1	1	1	0	1	1	1	1
50252	1	1	2	1	1	1	0	1	1	1	1
50253	1	1	2	1	1	1	0	1	1	1	1
50254	1	1	2	1	1	1	0	1	1	1	1
50255	1	1	2	1	1	1	0	1	1	1	1
50256	1	1	2	1	1	1	0	1	1	1	1
50257	1	1	2	1	1	1	0	1	1	1	1
50258	1	1	2	1	1	1	0	1	1	1	1
50259	1	1	2	1	1	1	0	1	1	1	1
50260	1	1	2	1	1	1	0	1	1	1	1
50261	1	1	2	1	1	1	0	1	1	1	1
50262	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50251	0
50252	0
50253	0
50254	0
50255	0
50256	0
50257	0
50258	0
50259	0
50260	0
50261	0
50262	0
n	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
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50351	1	1	2	1	1	1	0	1	1	1	1
50352	1	1	2	1	1	1	0	1	1	1	1
50353	1	1	2	1	1	1	0	1	1	1	1
50354	1	1	2	1	1	1	0	1	1	1	1
50355	1	1	2	1	1	1	0	1	1	1	1
50356	1	1	2	1	1	1	0	1	1	1	1
50357	1	1	2	1	1	1	0	1	1	1	1
50358	1	1	2	1	1	1	0	1	1	1	1
50359	1	1	2	1	1	1	0	1	1	1	1
50360	1	1	2	1	1	1	0	1	1	1	1
50361	1	1	2	1	1	1	0	1	1	1	1
50362	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50351	0
50352	0
50353	0
50354	0
50355	0
50356	0
50357	0
50358	0
50359	0
50360	0
50361	0
50362	0
n	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
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50451	1	1	2	1	1	1	0	1	1	1	1
50452	1	1	2	1	1	1	0	1	1	1	1
50453	1	1	2	1	1	1	0	1	1	1	1
50454	1	1	2	1	1	1	0	1	1	1	1
50455	1	1	2	1	1	1	0	1	1	1	1
50456	1	1	2	1	1	1	0	1	1	1	1
50457	1	1	2	1	1	1	0	1	1	1	1
50458	1	1	2	1	1	1	0	1	1	1	1
50459	1	1	2	1	1	1	0	1	1	1	1
50460	1	1	2	1	1	1	0	1	1	1	1
50461	1	1	2	1	1	1	0	1	1	1	1
50462	1	1	2	1	1	1	0	1	1	1	1
n	12	12	12	12	12	12	12	12	12	12	12

Animal No.	Secretions/ Excretions
50451	0
50452	0
50453	0
50454	0
50455	0
50456	0
50457	0
50458	0
50459	0
50460	0
50461	0
50462	0
n	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
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50152	1	1	2	1	1	1	0	1	1	1	1
50155	1	1	2	1	1	1	0	1	1	1	1
50156	1	1	2	1	1	1	0	1	1	1	1
50157	1	1	2	1	1	1	0	1	1	1	1
50161	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
50152	0
50155	0
50156	0
50157	0
50161	0
n	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 : Day 42
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50251	1	1	2	1	1	1	0	1	1	1	1
50252	1	1	2	1	1	1	0	1	1	1	1
50253	1	1	2	1	1	1	0	1	1	1	1
50254	1	1	2	1	1	1	0	1	1	1	1
50255	1	1	2	1	1	1	0	1	1	1	1
50256	1	1	2	1	1	1	0	1	1	1	1
50258	1	1	2	1	1	1	0	1	1	1	1
50259	1	1	2	1	1	1	0	1	1	1	1
50260	1	1	2	1	1	1	0	1	1	1	1
50261	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50251	0
50252	0
50253	0
50254	0
50255	0
50256	0
50258	0
50259	0
50260	0
50261	0
n	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 42
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50351	1	1	2	1	1	1	0	1	1	1	1
50352	1	1	2	1	1	1	0	1	1	1	1
50353	1	1	2	1	1	1	0	1	1	1	1
50354	1	1	2	1	1	1	0	1	1	1	1
50356	1	1	2	1	1	1	0	1	1	1	1
50358	1	1	2	1	1	1	0	1	1	1	1
50359	1	1	2	1	1	1	0	1	1	1	1
50360	1	1	2	1	1	1	0	1	1	1	1
50361	1	1	2	1	1	1	0	1	1	1	1
50362	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50351	0
50352	0
50353	0
50354	0
50356	0
50358	0
50359	0
50360	0
50361	0
50362	0
n	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 42
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50451	1	1	2	1	1	1	0	1	1	1	1
50455	1	1	2	1	1	1	0	1	1	1	1
50456	1	1	2	1	1	1	0	1	1	1	1
50457	1	1	2	1	1	1	0	1	1	1	1
50458	1	1	2	1	1	1	0	1	1	1	1
50459	1	1	2	1	1	1	0	1	1	1	1
50461	1	1	2	1	1	1	0	1	1	1	1
50462	1	1	2	1	1	1	0	1	1	1	1
n	8	8	8	8	8	8	8	8	8	8	8

Animal No.	Secretions/ Excretions
50451	0
50455	0
50456	0
50457	0
50458	0
50459	0
50461	0
50462	0
n	8

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 administration
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50551	1	1	2	1	1	1	0	1	1	1	1
50552	1	1	2	1	1	1	0	1	1	1	1
50553	1	1	2	1	1	1	0	1	1	1	1
50554	1	1	2	1	1	1	0	1	1	1	1
50555	1	1	2	1	1	1	0	1	1	1	1
50556	1	1	2	1	1	1	0	1	1	1	1
50557	1	1	2	1	1	1	0	1	1	1	1
50558	1	1	2	1	1	1	0	1	1	1	1
50559	1	1	2	1	1	1	0	1	1	1	1
50560	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50551	0
50552	0
50553	0
50554	0
50555	0
50556	0
50557	0
50558	0
50559	0
50560	0
n	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 : Pre administration
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50651	1	1	2	1	1	1	0	1	1	1	1
50652	1	1	2	1	1	1	0	1	1	1	1
50653	1	1	2	1	1	1	0	1	1	1	1
50654	1	1	2	1	1	1	0	1	1	1	1
50655	1	1	2	1	1	1	0	1	1	1	1
50656	1	1	2	1	1	1	0	1	1	1	1
50657	1	1	2	1	1	1	0	1	1	1	1
50658	1	1	2	1	1	1	0	1	1	1	1
50659	1	1	2	1	1	1	0	1	1	1	1
50660	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50651	0
50652	0
50653	0
50654	0
50655	0
50656	0
50657	0
50658	0
50659	0
50660	0
n	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 7
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50551	1	1	2	1	1	1	0	1	1	1	1
50552	1	1	2	1	1	1	0	1	1	1	1
50553	1	1	2	1	1	1	0	1	1	1	1
50554	1	1	2	1	1	1	0	1	1	1	1
50555	1	1	2	1	1	1	0	1	1	1	1
50556	1	1	2	1	1	1	0	1	1	1	1
50557	1	1	2	1	1	1	0	1	1	1	1
50558	1	1	2	1	1	1	0	1	1	1	1
50559	1	1	2	1	1	1	0	1	1	1	1
50560	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50551	0
50552	0
50553	0
50554	0
50555	0
50556	0
50557	0
50558	0
50559	0
50560	0
n	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 7
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50651	1	1	2	1	1	1	0	1	1	1	1
50652	1	1	2	1	1	1	0	1	1	1	1
50653	1	1	2	1	1	1	0	1	1	1	1
50654	1	1	2	1	1	1	0	1	1	1	1
50655	1	1	2	1	1	1	0	1	1	1	1
50656	1	1	2	1	1	1	0	1	1	1	1
50657	1	1	2	1	1	1	0	1	1	1	1
50658	1	1	2	1	1	1	0	1	1	1	1
50659	1	1	2	1	1	1	0	1	1	1	1
50660	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50651	0
50652	0
50653	0
50654	0
50655	0
50656	0
50657	0
50658	0
50659	0
50660	0
n	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
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50551	1	1	2	1	1	1	0	1	1	1	1
50552	1	1	2	1	1	1	0	1	1	1	1
50553	1	1	2	1	1	1	0	1	1	1	1
50554	1	1	2	1	1	1	0	1	1	1	1
50555	1	1	2	1	1	1	0	1	1	1	1
50556	1	1	2	1	1	1	0	1	1	1	1
50557	1	1	2	1	1	1	0	1	1	1	1
50558	1	1	2	1	1	1	0	1	1	1	1
50559	1	1	2	1	1	1	0	1	1	1	1
50560	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50551	0
50552	0
50553	0
50554	0
50555	0
50556	0
50557	0
50558	0
50559	0
50560	0
n	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
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50651	1	1	2	1	1	1	0	1	1	1	1
50652	1	1	2	1	1	1	0	1	1	1	1
50653	1	1	2	1	1	1	0	1	1	1	1
50654	1	1	2	1	1	1	0	1	1	1	1
50655	1	1	2	1	1	1	0	1	1	1	1
50656	1	1	2	1	1	1	0	1	1	1	1
50657	1	1	2	1	1	1	0	1	1	1	1
50658	1	1	2	1	1	1	0	1	1	1	1
50659	1	1	2	1	1	1	0	1	1	1	1
50660	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50651	0
50652	0
50653	0
50654	0
50655	0
50656	0
50657	0
50658	0
50659	0
50660	0
n	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 21
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50551	1	1	2	1	1	1	0	1	1	1	1
50552	1	1	2	1	1	1	0	1	1	1	1
50553	1	1	2	1	1	1	0	1	1	1	1
50554	1	1	2	1	1	1	0	1	1	1	1
50555	1	1	2	1	1	1	0	1	1	1	1
50556	1	1	2	1	1	1	0	1	1	1	1
50557	1	1	2	1	1	1	0	1	1	1	1
50558	1	1	2	1	1	1	0	1	1	1	1
50559	1	1	2	1	1	1	0	1	1	1	1
50560	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50551	0
50552	0
50553	0
50554	0
50555	0
50556	0
50557	0
50558	0
50559	0
50560	0
n	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 21
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50651	1	1	2	1	1	1	0	1	1	1	1
50652	1	1	2	1	1	1	0	1	1	1	1
50653	1	1	2	1	1	1	0	1	1	1	1
50654	1	1	2	1	1	1	0	1	1	1	1
50655	1	1	2	1	1	1	0	1	1	1	1
50656	1	1	2	1	1	1	0	1	1	1	1
50657	1	1	2	1	1	1	0	1	1	1	1
50658	1	1	2	1	1	1	0	1	1	1	1
50659	1	1	2	1	1	1	0	1	1	1	1
50660	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50651	0
50652	0
50653	0
50654	0
50655	0
50656	0
50657	0
50658	0
50659	0
50660	0
n	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 28
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50551	1	1	2	1	1	1	0	1	1	1	1
50552	1	1	2	1	1	1	0	1	1	1	1
50553	1	1	2	1	1	1	0	1	1	1	1
50554	1	1	2	1	1	1	0	1	1	1	1
50555	1	1	2	1	1	1	0	1	1	1	1
50556	1	1	2	1	1	1	0	1	1	1	1
50557	1	1	2	1	1	1	0	1	1	1	1
50558	1	1	2	1	1	1	0	1	1	1	1
50559	1	1	2	1	1	1	0	1	1	1	1
50560	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50551	0
50552	0
50553	0
50554	0
50555	0
50556	0
50557	0
50558	0
50559	0
50560	0
n	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 28
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50651	1	1	2	1	1	1	0	1	1	1	1
50652	1	1	2	1	1	1	0	1	1	1	1
50653	1	1	2	1	1	1	0	1	1	1	1
50654	1	1	2	1	1	1	0	1	1	1	1
50655	1	1	2	1	1	1	0	1	1	1	1
50656	1	1	2	1	1	1	0	1	1	1	1
50657	1	1	2	1	1	1	0	1	1	1	1
50658	1	1	2	1	1	1	0	1	1	1	1
50659	1	1	2	1	1	1	0	1	1	1	1
50660	1	1	2	1	1	1	0	1	1	1	1
n	10	10	10	10	10	10	10	10	10	10	10

Animal No.	Secretions/ Excretions
50651	0
50652	0
50653	0
50654	0
50655	0
50656	0
50657	0
50658	0
50659	0
50660	0
n	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
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10102	1	1	2	1	1	1	0	1	1	1	1
10105	1	1	2	1	1	1	0	1	1	1	1
10109	1	1	2	1	1	1	0	1	1	1	1
10110	1	1	2	1	1	1	0	1	1	1	1
10112	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
10102	0
10105	0
10109	0
10110	0
10112	0
n	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
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10402	1	1	2	1	1	1	0	1	1	1	1
10404	1	1	2	1	1	1	0	1	1	1	1
10406	1	1	2	1	1	1	0	1	1	1	1
10407	1	1	2	1	1	1	0	1	1	1	1
10412	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
10402	0
10404	0
10406	0
10407	0
10412	0
n	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
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10102	1	1	2	1	1	1	0	1	1	1	1
10105	1	1	2	1	1	1	0	1	1	1	1
10109	1	1	2	1	1	1	0	1	1	1	1
10110	1	1	2	1	1	1	0	1	1	1	1
10112	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
10102	0
10105	0
10109	0
10110	0
10112	0
n	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
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
10402	1	1	2	1	1	1	0	1	1	1	1
10404	1	1	2	1	1	1	0	1	1	1	1
10406	1	1	2	1	1	1	0	1	1	1	1
10407	1	1	2	1	1	1	0	1	1	1	1
10412	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
10402	0
10404	0
10406	0
10407	0
10412	0
n	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
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50556	1	1	2	1	1	1	0	1	1	1	1
50557	1	1	2	1	1	1	0	1	1	1	1
50558	1	1	2	1	1	1	0	1	1	1	1
50559	1	1	2	1	1	1	0	1	1	1	1
50560	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
50556	0
50557	0
50558	0
50559	0
50560	0
n	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
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50656	1	1	2	1	1	1	0	1	1	1	1
50657	1	1	2	1	1	1	0	1	1	1	1
50658	1	1	2	1	1	1	0	1	1	1	1
50659	1	1	2	1	1	1	0	1	1	1	1
50660	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
50656	0
50657	0
50658	0
50659	0
50660	0
n	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
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50556	1	1	2	1	1	1	0	1	1	1	1
50557	1	1	2	1	1	1	0	1	1	1	1
50558	1	1	2	1	1	1	0	1	1	1	1
50559	1	1	2	1	1	1	0	1	1	1	1
50560	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
50556	0
50557	0
50558	0
50559	0
50560	0
n	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
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Ease of Removal	Ease of Handling	Muscle tone	Piloerection	Fur	Eyes	Mucous membranes	Skin	Pupil size	Lacrimation	Salivation
50656	1	1	2	1	1	1	0	1	1	1	1
50657	1	1	2	1	1	1	0	1	1	1	1
50658	1	1	2	1	1	1	0	1	1	1	1
50659	1	1	2	1	1	1	0	1	1	1	1
50660	1	1	2	1	1	1	0	1	1	1	1
n	5	5	5	5	5	5	5	5	5	5	5

Animal No.	Secretions/ Excretions
50656	0
50657	0
50658	0
50659	0
50660	0
n	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 administration
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10101	1	1	1	1	1	1	0	0	1	1	1
10102	1	1	1	1	0	0	0	0	1	1	1
10103	1	1	1	1	0	0	0	0	1	1	1
10104	1	1	1	1	0	0	0	0	1	1	1
10105	1	1	1	1	1	1	0	0	1	1	1
10106	1	1	1	1	1	0	0	0	1	1	1
10107	1	1	1	1	1	1	0	0	1	1	1
10108	1	1	1	1	0	0	0	0	1	1	1
10109	1	1	1	1	1	1	0	0	1	1	1
10110	1	1	1	1	0	0	0	0	1	1	1
10111	1	1	1	1	1	1	0	0	1	1	1
10112	1	1	1	1	0	1	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Pre administration
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10201	1	1	1	1	0	1	0	0	1	1	1
10202	1	1	1	1	0	1	0	0	1	1	1
10203	1	1	1	1	0	0	0	0	1	1	1
10204	1	1	1	1	0	1	0	0	1	1	1
10205	1	1	1	1	1	0	0	0	1	1	1
10206	1	1	1	1	0	0	0	0	1	1	1
10207	1	1	1	1	0	0	0	0	1	1	1
10208	1	1	1	1	1	1	0	0	1	1	1
10209	1	1	1	1	0	0	0	0	1	1	1
10210	1	1	1	1	0	0	0	0	1	1	1
10211	1	1	1	1	0	0	0	0	1	1	1
10212	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Pre administration
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10301	1	1	1	1	1	1	0	0	1	1	1
10302	1	1	1	1	0	0	0	0	1	1	1
10303	1	1	1	1	1	1	0	0	1	1	1
10304	1	1	1	1	0	0	0	0	1	1	1
10305	1	1	1	1	0	0	0	0	1	1	1
10306	1	1	1	1	0	0	0	0	1	1	1
10307	1	1	1	1	0	1	0	0	1	1	1
10308	1	1	1	1	0	0	0	0	1	1	1
10309	1	1	1	1	1	0	0	0	1	1	1
10310	1	1	1	1	1	1	0	0	1	1	1
10311	1	1	1	1	0	0	0	0	1	1	1
10312	1	1	1	1	0	1	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Pre administration
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10401	1	1	1	1	1	1	0	0	1	1	1
10402	1	1	1	1	1	1	0	0	1	1	1
10403	1	1	1	1	1	1	0	0	1	1	1
10404	1	1	1	1	1	1	0	0	1	1	1
10405	1	1	1	1	0	1	0	0	1	1	1
10406	1	1	1	1	0	0	0	0	1	1	1
10407	1	1	1	1	0	0	0	0	1	1	1
10408	1	1	1	1	0	0	0	0	1	1	1
10409	1	1	1	1	0	0	0	0	1	1	1
10410	1	1	1	1	0	0	0	0	1	1	1
10411	1	1	1	1	0	0	0	0	1	1	1
10412	1	1	1	1	1	1	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 7
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10101	1	1	1	1	0	0	0	0	1	1	1
10102	1	1	1	1	0	0	0	0	1	1	1
10103	1	1	1	1	0	0	0	0	1	1	1
10104	1	1	1	1	0	0	0	0	1	1	1
10105	1	1	1	1	0	0	0	0	1	1	1
10106	1	1	1	1	0	0	0	0	1	1	1
10107	1	1	1	1	0	0	0	0	1	1	1
10108	1	1	1	1	0	0	0	0	1	1	1
10109	1	1	1	1	0	0	0	0	1	1	1
10110	1	1	1	1	0	0	0	0	1	1	1
10111	1	1	1	1	0	1	0	0	1	1	1
10112	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 7
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10201	1	1	1	1	0	0	0	0	1	1	1
10202	1	1	1	1	0	0	0	0	1	1	1
10203	1	1	1	1	0	0	0	0	1	1	1
10204	1	1	1	1	0	0	0	0	1	1	1
10205	1	1	1	1	0	0	0	0	1	1	1
10206	1	1	1	1	0	0	0	0	1	1	1
10207	1	1	1	1	0	0	0	0	1	1	1
10208	1	1	1	1	1	1	0	0	1	1	1
10209	1	1	1	1	0	0	0	0	1	1	1
10210	1	1	1	1	0	0	0	0	1	1	1
10211	1	1	1	1	0	0	0	0	1	1	1
10212	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 7
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10301	1	1	1	1	1	1	0	0	1	1	1
10302	1	1	1	1	0	0	0	0	1	1	1
10303	1	1	1	1	1	1	0	0	1	1	1
10304	1	1	1	1	0	0	0	0	1	1	1
10305	1	1	1	1	0	0	0	0	1	1	1
10306	1	1	1	1	0	0	0	0	1	1	1
10307	1	1	1	1	0	0	0	0	1	1	1
10308	1	1	1	1	0	0	0	0	1	1	1
10309	1	1	1	1	0	0	0	0	1	1	1
10310	1	1	1	1	1	1	0	0	1	1	1
10311	1	1	1	1	0	0	0	0	1	1	1
10312	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 7
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10401	1	1	1	1	0	0	0	0	1	1	1
10402	1	1	1	1	0	0	0	0	1	1	1
10403	1	1	1	1	0	0	0	0	1	1	1
10404	1	1	1	1	0	0	0	0	1	1	1
10405	1	1	1	1	0	0	0	0	1	1	1
10406	1	1	1	1	0	0	0	0	1	1	1
10407	1	1	1	1	0	0	0	0	1	1	1
10409	1	1	1	1	0	0	0	0	1	1	1
10410	1	1	1	1	0	1	0	0	1	1	1
10411	1	1	1	1	0	0	0	0	1	1	1
10412	1	1	1	1	0	1	0	0	1	1	1
n	11	11	11	11	11	11	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.

Detailed clinical observation (in the open-field) Stage : Day 14
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10101	1	1	1	1	0	1	0	0	1	1	1
10102	1	1	1	1	0	0	0	0	1	1	1
10103	1	1	1	1	0	0	0	0	1	1	1
10104	1	1	1	1	0	0	0	0	1	1	1
10105	1	1	1	1	0	0	0	0	1	1	1
10106	1	1	1	1	1	0	0	0	1	1	1
10107	1	1	1	1	0	0	0	0	1	1	1
10108	1	1	1	1	0	0	0	0	1	1	1
10109	1	1	1	1	0	0	0	0	1	1	1
10110	1	1	1	1	0	0	0	0	1	1	1
10111	1	1	1	1	1	1	0	0	1	1	1
10112	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 14
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10201	1	1	1	1	0	0	0	0	1	1	1
10202	1	1	1	1	0	0	0	0	1	1	1
10203	1	1	1	1	0	0	0	0	1	1	1
10204	1	1	1	1	0	0	0	0	1	1	1
10205	1	1	1	1	0	0	0	0	1	1	1
10206	1	1	1	1	0	0	0	0	1	1	1
10207	1	1	1	1	0	0	0	0	1	1	1
10208	1	1	1	1	0	0	0	0	1	1	1
10209	1	1	1	1	0	0	0	0	1	1	1
10210	1	1	1	1	0	0	0	0	1	1	1
10211	1	1	1	1	0	0	0	0	1	1	1
10212	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 14
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10301	1	1	1	1	0	0	0	0	1	1	1
10302	1	1	1	1	0	0	0	0	1	1	1
10303	1	1	1	1	1	0	0	0	1	1	1
10304	1	1	1	1	0	0	0	0	1	1	1
10305	1	1	1	1	0	0	0	0	1	1	1
10306	1	1	1	1	0	1	0	0	1	1	1
10307	1	1	1	1	0	0	0	0	1	1	1
10308	1	1	1	1	0	0	0	0	1	1	1
10309	1	1	1	1	0	0	0	0	1	1	1
10310	1	1	1	1	1	1	0	0	1	1	1
10311	1	1	1	1	0	0	0	0	1	1	1
10312	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 14
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10401	1	1	1	1	0	0	0	0	1	1	1
10402	1	1	1	1	0	0	0	0	1	1	1
10403	1	1	1	1	0	0	0	0	1	1	1
10404	1	1	1	1	0	0	0	0	1	1	1
10405	1	1	1	1	0	0	0	0	1	1	1
10406	1	1	1	1	0	0	0	0	1	1	1
10407	1	1	1	1	0	0	0	0	1	1	1
10409	1	1	1	1	0	0	0	0	1	1	1
10410	1	1	1	1	0	0	0	0	1	1	1
10411	1	1	1	1	0	0	0	0	1	1	1
10412	1	1	1	1	0	1	0	0	1	1	1
n	11	11	11	11	11	11	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.

Detailed clinical observation (in the open-field) Stage : Day 21
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10101	1	1	1	1	1	1	0	0	1	1	1
10102	1	1	1	1	1	0	0	0	1	1	1
10103	1	1	1	1	0	0	0	0	1	1	1
10104	1	1	1	1	0	0	0	0	1	1	1
10105	1	1	1	1	0	0	0	0	1	1	1
10106	1	1	1	1	1	0	0	0	1	1	1
10107	1	1	1	1	0	0	0	0	1	1	1
10108	1	1	1	1	0	0	0	0	1	1	1
10109	1	1	1	1	0	0	0	0	1	1	1
10110	1	1	1	1	0	0	0	0	1	1	1
10111	1	1	1	1	1	1	0	0	1	1	1
10112	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 21
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10201	1	1	1	1	0	0	0	0	1	1	1
10202	1	1	1	1	0	0	0	0	1	1	1
10203	1	1	1	1	1	0	0	0	1	1	1
10204	1	1	1	1	0	0	0	0	1	1	1
10205	1	1	1	1	0	0	0	0	1	1	1
10206	1	1	1	1	0	0	0	0	1	1	1
10207	1	1	1	1	0	0	0	0	1	1	1
10208	1	1	1	1	0	0	0	0	1	1	1
10209	1	1	1	1	0	0	0	0	1	1	1
10210	1	1	1	1	0	0	0	0	1	1	1
10211	1	1	1	1	0	0	0	0	1	1	1
10212	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 21
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10301	1	1	1	1	1	0	0	0	1	1	1
10302	1	1	1	1	0	0	0	0	1	1	1
10303	1	1	1	1	1	1	0	0	1	1	1
10304	1	1	1	1	0	0	0	0	1	1	1
10305	1	1	1	1	0	0	0	0	1	1	1
10306	1	1	1	1	0	0	0	0	1	1	1
10307	1	1	1	1	0	0	0	0	1	1	1
10308	1	1	1	1	0	0	0	0	1	1	1
10309	1	1	1	1	1	0	0	0	1	1	1
10310	1	1	1	1	1	1	0	0	1	1	1
10311	1	1	1	1	0	0	0	0	1	1	1
10312	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 21
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10401	1	1	1	1	0	0	0	0	1	1	1
10402	1	1	1	1	0	0	0	0	1	1	1
10403	1	1	1	1	0	0	0	0	1	1	1
10404	1	1	1	1	0	0	0	0	1	1	1
10405	1	1	1	1	0	0	0	0	1	1	1
10406	1	1	1	1	0	0	0	0	1	1	1
10407	1	1	1	1	0	0	0	0	1	1	1
10409	1	1	1	1	0	0	0	0	1	1	1
10410	1	1	1	1	1	0	0	0	1	1	1
10411	1	1	1	1	0	0	0	0	1	1	1
10412	1	1	1	1	1	1	0	0	1	1	1
n	11	11	11	11	11	11	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.

Detailed clinical observation (in the open-field) Stage : Day 28
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10101	1	1	1	1	0	0	0	0	1	1	1
10102	1	1	1	1	0	0	0	0	1	1	1
10103	1	1	1	1	0	0	0	0	1	1	1
10104	1	1	1	1	0	0	0	0	1	1	1
10105	1	1	1	1	0	0	0	0	1	1	1
10106	1	1	1	1	1	0	0	0	1	1	1
10107	1	1	1	1	0	0	0	0	1	1	1
10108	1	1	1	1	0	0	0	0	1	1	1
10109	1	1	1	1	1	0	0	0	1	1	1
10110	1	1	1	1	0	0	0	0	1	1	1
10111	1	1	1	1	1	0	0	0	1	1	1
10112	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 28
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10201	1	1	1	1	0	0	0	0	1	1	1
10202	1	1	1	1	0	0	0	0	1	1	1
10203	1	1	1	1	0	0	0	0	1	1	1
10204	1	1	1	1	0	0	0	0	1	1	1
10205	1	1	1	1	0	0	0	0	1	1	1
10206	1	1	1	1	0	0	0	0	1	1	1
10207	1	1	1	1	0	0	0	0	1	1	1
10208	1	1	1	1	1	0	0	0	1	1	1
10209	1	1	1	1	1	0	0	0	1	1	1
10210	1	1	1	1	0	0	0	0	1	1	1
10211	1	1	1	1	0	0	0	0	1	1	1
10212	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 28
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10301	1	1	1	1	1	0	0	0	1	1	1
10302	1	1	1	1	0	0	0	0	1	1	1
10303	1	1	1	1	1	1	0	0	1	1	1
10304	1	1	1	1	0	0	0	0	1	1	1
10305	1	1	1	1	0	0	0	0	1	1	1
10306	1	1	1	1	0	0	0	0	1	1	1
10307	1	1	1	1	0	0	0	0	1	1	1
10308	1	1	1	1	0	0	0	0	1	1	1
10309	1	1	1	1	0	0	0	0	1	1	1
10310	1	1	1	1	0	0	0	0	1	1	1
10311	1	1	1	1	0	0	0	0	1	1	1
10312	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 28
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10401	1	1	1	1	0	0	0	0	1	1	1
10402	1	1	1	1	0	0	0	0	1	1	1
10403	1	1	1	1	0	0	0	0	1	1	1
10404	1	1	1	1	1	0	0	0	1	1	1
10405	1	1	1	1	0	0	0	0	1	1	1
10406	1	1	1	1	0	0	0	0	1	1	1
10407	1	1	1	1	0	0	0	0	1	1	1
10409	1	1	1	1	0	0	0	0	1	1	1
10410	1	1	1	1	0	0	0	0	1	1	1
10411	1	1	1	1	0	0	0	0	1	1	1
10412	1	1	1	1	0	0	0	0	1	1	1
n	11	11	11	11	11	11	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.

Detailed clinical observation (in the open-field) Stage : Pre administration
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50151	1	1	1	1	0	0	0	0	1	1	1
50152	1	1	1	1	0	0	0	0	1	1	1
50153	1	1	1	1	0	0	0	0	1	1	1
50154	1	1	1	1	0	0	0	0	1	1	1
50155	1	1	1	1	0	0	0	0	1	1	1
50156	1	1	1	1	0	0	0	0	1	1	1
50157	1	1	1	1	1	0	0	0	1	1	1
50158	1	1	1	1	0	0	0	0	1	1	1
50159	1	1	1	1	0	0	0	0	1	1	1
50160	1	1	1	1	1	0	0	0	1	1	1
50161	1	1	1	1	0	0	0	0	1	1	1
50162	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Pre administration
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50251	1	1	1	1	0	0	0	0	1	1	1
50252	1	1	1	1	0	0	0	0	1	1	1
50253	1	1	1	1	1	0	0	0	1	1	1
50254	1	1	1	1	0	0	0	0	1	1	1
50255	1	1	1	1	0	0	0	0	1	1	1
50256	1	1	1	1	1	1	0	0	1	1	1
50257	1	1	1	1	0	0	0	0	1	1	1
50258	1	1	1	1	0	0	0	0	1	1	1
50259	1	1	1	1	0	0	0	0	1	1	1
50260	1	1	1	1	0	0	0	0	1	1	1
50261	1	1	1	1	1	0	0	0	1	1	1
50262	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Pre administration
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50351	1	1	1	1	0	0	0	0	1	1	1
50352	1	1	1	1	0	0	0	0	1	1	1
50353	1	1	1	1	1	0	0	0	1	1	1
50354	1	1	1	1	0	0	0	0	1	1	1
50355	1	1	1	1	0	0	0	0	1	1	1
50356	1	1	1	1	0	1	0	0	1	1	1
50357	1	1	1	1	1	0	0	0	1	1	1
50358	1	1	1	1	1	0	0	0	1	1	1
50359	1	1	1	1	0	0	0	0	1	1	1
50360	1	1	1	1	0	0	0	0	1	1	1
50361	1	1	1	1	0	1	0	0	1	1	1
50362	1	1	1	1	1	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Pre administration
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50451	1	1	1	1	0	0	0	0	1	1	1
50452	1	1	1	1	1	0	0	0	1	1	1
50453	1	1	1	1	1	0	0	0	1	1	1
50454	1	1	1	1	0	0	0	0	1	1	1
50455	1	1	1	1	1	1	0	0	1	1	1
50456	1	1	1	1	0	0	0	0	1	1	1
50457	1	1	1	1	0	0	0	0	1	1	1
50458	1	1	1	1	1	0	0	0	1	1	1
50459	1	1	1	1	0	0	0	0	1	1	1
50460	1	1	1	1	0	1	0	0	1	1	1
50461	1	1	1	1	0	0	0	0	1	1	1
50462	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 7
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50151	1	1	1	1	0	0	0	0	1	1	1
50152	1	1	1	1	0	0	0	0	1	1	1
50153	1	1	1	1	0	0	0	0	1	1	1
50154	1	1	1	1	0	0	0	0	1	1	1
50155	1	1	1	1	0	0	0	0	1	1	1
50156	1	1	1	1	0	0	0	0	1	1	1
50157	1	1	1	1	0	0	0	0	1	1	1
50158	1	1	1	1	0	0	0	0	1	1	1
50159	1	1	1	1	0	0	0	0	1	1	1
50160	1	1	1	1	0	0	0	0	1	1	1
50161	1	1	1	1	0	0	0	0	1	1	1
50162	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 7
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50251	1	1	1	1	0	0	0	0	1	1	1
50252	1	1	1	1	0	0	0	0	1	1	1
50253	1	1	1	1	0	0	0	0	1	1	1
50254	1	1	1	1	0	0	0	0	1	1	1
50255	1	1	1	1	0	0	0	0	1	1	1
50256	1	1	1	1	0	1	0	0	1	1	1
50257	1	1	1	1	0	0	0	0	1	1	1
50258	1	1	1	1	0	0	0	0	1	1	1
50259	1	1	1	1	0	0	0	0	1	1	1
50260	1	1	1	1	0	0	0	0	1	1	1
50261	1	1	1	1	0	0	0	0	1	1	1
50262	1	1	1	1	1	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 7
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50351	1	1	1	1	0	0	0	0	1	1	1
50352	1	1	1	1	0	0	0	0	1	1	1
50353	1	1	1	1	0	0	0	0	1	1	1
50354	1	1	1	1	0	0	0	0	1	1	1
50355	1	1	1	1	0	0	0	0	1	1	1
50356	1	1	1	1	0	1	0	0	1	1	1
50357	1	1	1	1	0	0	0	0	1	1	1
50358	1	1	1	1	0	0	0	0	1	1	1
50359	1	1	1	1	0	0	0	0	1	1	1
50360	1	1	1	1	0	0	0	0	1	1	1
50361	1	1	1	1	1	1	0	0	1	1	1
50362	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 7
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50451	1	1	1	1	0	0	0	0	1	1	1
50452	1	1	1	1	0	1	0	0	1	1	1
50453	1	1	1	1	0	0	0	0	1	1	1
50454	1	1	1	1	0	0	0	0	1	1	1
50455	1	1	1	1	0	0	0	0	1	1	1
50456	1	1	1	1	0	0	0	0	1	1	1
50457	1	1	1	1	0	0	0	0	1	1	1
50458	1	1	1	1	0	0	0	0	1	1	1
50459	1	1	1	1	0	0	0	0	1	1	1
50460	1	1	1	1	0	0	0	0	1	1	1
50461	1	1	1	1	0	0	0	0	1	1	1
50462	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 14
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50151	1	1	1	1	0	0	0	0	1	1	1
50152	1	1	1	1	1	0	0	0	1	1	1
50153	1	1	1	1	1	0	0	0	1	1	1
50154	1	1	1	1	1	0	0	0	1	1	1
50155	1	1	1	1	0	0	0	0	1	1	1
50156	1	1	1	1	0	0	0	0	1	1	1
50157	1	1	1	1	0	0	0	0	1	1	1
50158	1	1	1	1	1	0	0	0	1	1	1
50159	1	1	1	1	0	0	0	0	1	1	1
50160	1	1	1	1	0	0	0	0	1	1	1
50161	1	1	1	1	0	0	0	0	1	1	1
50162	1	1	1	1	1	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 14
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50251	1	1	1	1	0	0	0	0	1	1	1
50252	1	1	1	1	0	0	0	0	1	1	1
50253	1	1	1	1	0	0	0	0	1	1	1
50254	1	1	1	1	0	0	0	0	1	1	1
50255	1	1	1	1	0	0	0	0	1	1	1
50256	1	1	1	1	1	1	0	0	1	1	1
50257	1	1	1	1	0	0	0	0	1	1	1
50258	1	1	1	1	0	0	0	0	1	1	1
50259	1	1	1	1	0	0	0	0	1	1	1
50260	1	1	1	1	0	0	0	0	1	1	1
50261	1	1	1	1	0	0	0	0	1	1	1
50262	1	1	1	1	1	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 14
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50351	1	1	1	1	0	0	0	0	1	1	1
50352	1	1	1	1	0	0	0	0	1	1	1
50353	1	1	1	1	0	0	0	0	1	1	1
50354	1	1	1	1	1	0	0	0	1	1	1
50355	1	1	1	1	0	0	0	0	1	1	1
50356	1	1	1	1	0	0	0	0	1	1	1
50357	1	1	1	1	0	0	0	0	1	1	1
50358	1	1	1	1	0	0	0	0	1	1	1
50359	1	1	1	1	0	0	0	0	1	1	1
50360	1	1	1	1	1	0	0	0	1	1	1
50361	1	1	1	1	1	0	0	0	1	1	1
50362	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 14
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50451	1	1	1	1	0	0	0	0	1	1	1
50452	1	1	1	1	0	0	0	0	1	1	1
50453	1	1	1	1	0	0	0	0	1	1	1
50454	1	1	1	1	0	0	0	0	1	1	1
50455	1	1	1	1	1	0	0	0	1	1	1
50456	1	1	1	1	0	0	0	0	1	1	1
50457	1	1	1	1	0	0	0	0	1	1	1
50458	1	1	1	1	0	0	0	0	1	1	1
50459	1	1	1	1	0	0	0	0	1	1	1
50460	1	1	1	1	1	0	0	0	1	1	1
50461	1	1	1	1	1	0	0	0	1	1	1
50462	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 21
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50151	1	1	1	1	0	0	0	0	1	1	1
50152	1	1	1	1	0	0	0	0	1	1	1
50153	1	1	1	1	0	0	0	0	1	1	1
50154	1	1	1	1	0	0	0	0	1	1	1
50155	1	1	1	1	0	0	0	0	1	1	1
50156	1	1	1	1	0	0	0	0	1	1	1
50157	1	1	1	1	0	0	0	0	1	1	1
50158	1	1	1	1	0	0	0	0	1	1	1
50159	1	1	1	1	1	0	0	0	1	1	1
50160	1	1	1	1	1	0	0	0	1	1	1
50161	1	1	1	1	0	0	0	0	1	1	1
50162	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 21
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50251	1	1	1	1	0	0	0	0	1	1	1
50252	1	1	1	1	0	0	0	0	1	1	1
50253	1	1	1	1	0	0	0	0	1	1	1
50254	1	1	1	1	0	0	0	0	1	1	1
50255	1	1	1	1	0	0	0	0	1	1	1
50256	1	1	1	1	1	1	0	0	1	1	1
50257	1	1	1	1	0	0	0	0	1	1	1
50258	1	1	1	1	0	0	0	0	1	1	1
50259	1	1	1	1	0	0	0	0	1	1	1
50260	1	1	1	1	0	0	0	0	1	1	1
50261	1	1	1	1	0	0	0	0	1	1	1
50262	1	1	1	1	1	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 21
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50351	1	1	1	1	0	0	0	0	1	1	1
50352	1	1	1	1	0	0	0	0	1	1	1
50353	1	1	1	1	0	0	0	0	1	1	1
50354	1	1	1	1	0	0	0	0	1	1	1
50355	1	1	1	1	0	0	0	0	1	1	1
50356	1	1	1	1	1	0	0	0	1	1	1
50357	1	1	1	1	0	0	0	0	1	1	1
50358	1	1	1	1	0	0	0	0	1	1	1
50359	1	1	1	1	0	0	0	0	1	1	1
50360	1	1	1	1	0	0	0	0	1	1	1
50361	1	1	1	1	1	1	0	0	1	1	1
50362	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 21
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50451	1	1	1	1	0	0	0	0	1	1	1
50452	1	1	1	1	0	0	0	0	1	1	1
50453	1	1	1	1	0	0	0	0	1	1	1
50454	1	1	1	1	0	0	0	0	1	1	1
50455	1	1	1	1	0	0	0	0	1	1	1
50456	1	1	1	1	0	0	0	0	1	1	1
50457	1	1	1	1	0	0	0	0	1	1	1
50458	1	1	1	1	0	0	0	0	1	1	1
50459	1	1	1	1	0	0	0	0	1	1	1
50460	1	1	1	1	0	0	0	0	1	1	1
50461	1	1	1	1	0	0	0	0	1	1	1
50462	1	1	1	1	1	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 28
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50151	1	1	1	1	0	0	0	0	1	1	1
50152	1	1	1	1	0	0	0	0	1	1	1
50153	1	1	1	1	0	0	0	0	1	1	1
50154	1	1	1	1	0	0	0	0	1	1	1
50155	1	1	1	1	0	0	0	0	1	1	1
50156	1	1	1	1	0	0	0	0	1	1	1
50157	1	1	1	1	1	0	0	0	1	1	1
50158	1	1	1	1	0	0	0	0	1	1	1
50159	1	1	1	1	1	0	0	0	1	1	1
50160	1	1	1	1	0	0	0	0	1	1	1
50161	1	1	1	1	0	0	0	0	1	1	1
50162	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 28
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50251	1	1	1	1	0	0	0	0	1	1	1
50252	1	1	1	1	0	0	0	0	1	1	1
50253	1	1	1	1	0	0	0	0	1	1	1
50254	1	1	1	1	0	0	0	0	1	1	1
50255	1	1	1	1	0	0	0	0	1	1	1
50256	1	1	1	1	0	0	0	0	1	1	1
50257	1	1	1	1	0	0	0	0	1	1	1
50258	1	1	1	1	0	0	0	0	1	1	1
50259	1	1	1	1	0	0	0	0	1	1	1
50260	1	1	1	1	0	0	0	0	1	1	1
50261	1	1	1	1	0	0	0	0	1	1	1
50262	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 28
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50351	1	1	1	1	0	0	0	0	1	1	1
50352	1	1	1	1	0	0	0	0	1	1	1
50353	1	1	1	1	0	0	0	0	1	1	1
50354	1	1	1	1	0	0	0	0	1	1	1
50355	1	1	1	1	0	0	0	0	1	1	1
50356	1	1	1	1	0	0	0	0	1	1	1
50357	1	1	1	1	0	0	0	0	1	1	1
50358	1	1	1	1	0	0	0	0	1	1	1
50359	1	1	1	1	0	0	0	0	1	1	1
50360	1	1	1	1	0	0	0	0	1	1	1
50361	1	1	1	1	0	0	0	0	1	1	1
50362	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 28
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50451	1	1	1	1	0	0	0	0	1	1	1
50452	1	1	1	1	0	0	0	0	1	1	1
50453	1	1	1	1	0	0	0	0	1	1	1
50454	1	1	1	1	0	0	0	0	1	1	1
50455	1	1	1	1	0	0	0	0	1	1	1
50456	1	1	1	1	0	0	0	0	1	1	1
50457	1	1	1	1	0	0	0	0	1	1	1
50458	1	1	1	1	0	0	0	0	1	1	1
50459	1	1	1	1	0	0	0	0	1	1	1
50460	1	1	1	1	1	0	0	0	1	1	1
50461	1	1	1	1	0	0	0	0	1	1	1
50462	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 35
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50151	1	1	1	1	0	0	0	0	1	1	1
50152	1	1	1	1	0	0	0	0	1	1	1
50153	1	1	1	1	0	0	0	0	1	1	1
50154	1	1	1	1	0	0	0	0	1	1	1
50155	1	1	1	1	0	0	0	0	1	1	1
50156	1	1	1	1	0	0	0	0	1	1	1
50157	1	1	1	1	0	0	0	0	1	1	1
50158	1	1	1	1	0	0	0	0	1	1	1
50159	1	1	1	1	0	0	0	0	1	1	1
50160	1	1	1	1	0	0	0	0	1	1	1
50161	1	1	1	1	0	0	0	0	1	1	1
50162	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 35
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50251	1	1	1	1	0	0	0	0	1	1	1
50252	1	1	1	1	0	0	0	0	1	1	1
50253	1	1	1	1	0	0	0	0	1	1	1
50254	1	1	1	1	0	0	0	0	1	1	1
50255	1	1	1	1	0	0	0	0	1	1	1
50256	1	1	1	1	1	1	0	0	1	1	1
50257	1	1	1	1	0	0	0	0	1	1	1
50258	1	1	1	1	0	0	0	0	1	1	1
50259	1	1	1	1	0	0	0	0	1	1	1
50260	1	1	1	1	1	0	0	0	1	1	1
50261	1	1	1	1	0	0	0	0	1	1	1
50262	1	1	1	1	1	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 35
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50351	1	1	1	1	0	0	0	0	1	1	1
50352	1	1	1	1	0	0	0	0	1	1	1
50353	1	1	1	1	0	0	0	0	1	1	1
50354	1	1	1	1	0	0	0	0	1	1	1
50355	1	1	1	1	0	0	0	0	1	1	1
50356	1	1	1	1	0	0	0	0	1	1	1
50357	1	1	1	1	0	0	0	0	1	1	1
50358	1	1	1	1	0	0	0	0	1	1	1
50359	1	1	1	1	0	0	0	0	1	1	1
50360	1	1	1	1	1	0	0	0	1	1	1
50361	1	1	1	1	1	1	0	0	1	1	1
50362	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 35
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50451	1	1	1	1	0	0	0	0	1	1	1
50452	1	1	1	1	1	0	0	0	1	1	1
50453	1	1	1	1	0	0	0	0	1	1	1
50454	1	1	1	1	0	0	0	0	1	1	1
50455	1	1	1	1	0	0	0	0	1	1	1
50456	1	1	1	1	0	0	0	0	1	1	1
50457	1	1	1	1	0	0	0	0	1	1	1
50458	1	1	1	1	0	0	0	0	1	1	1
50459	1	1	1	1	1	1	0	0	1	1	1
50460	1	1	1	1	1	1	0	0	1	1	1
50461	1	1	1	1	0	0	0	0	1	1	1
50462	1	1	1	1	0	0	0	0	1	1	1
n	12	12	12	12	12	12	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.

Detailed clinical observation (in the open-field) Stage : Day 42
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50152	1	1	1	1	1	0	0	0	1	1	1
50155	1	1	1	1	0	0	0	0	1	1	1
50156	1	1	1	1	0	0	0	0	1	1	1
50157	1	1	1	1	0	0	0	0	1	1	1
50161	1	1	1	1	0	0	0	0	1	1	1
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.

Detailed clinical observation (in the open-field) Stage : Day 42
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50251	1	1	1	1	0	0	0	0	1	1	1
50252	1	1	1	1	0	0	0	0	1	1	1
50253	1	1	1	1	0	0	0	0	1	1	1
50254	1	1	1	1	0	0	0	0	1	1	1
50255	1	1	1	1	0	0	0	0	1	1	1
50256	1	1	1	1	0	0	0	0	1	1	1
50258	1	1	1	1	0	0	0	0	1	1	1
50259	1	1	1	1	0	0	0	0	1	1	1
50260	1	1	1	1	0	0	0	0	1	1	1
50261	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	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.

Detailed clinical observation (in the open-field) Stage : Day 42
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50351	1	1	1	1	0	0	0	0	1	1	1
50352	1	1	1	1	1	0	0	0	1	1	1
50353	1	1	1	1	0	0	0	0	1	1	1
50354	1	1	1	1	0	0	0	0	1	1	1
50356	1	1	1	1	0	0	0	0	1	1	1
50358	1	1	1	1	0	0	0	0	1	1	1
50359	1	1	1	1	0	0	0	0	1	1	1
50360	1	1	1	1	0	0	0	0	1	1	1
50361	1	1	1	1	1	1	0	0	1	1	1
50362	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	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.

Detailed clinical observation (in the open-field) Stage : Day 42
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50451	1	1	1	1	0	0	0	0	1	1	1
50455	1	1	1	1	0	0	0	0	1	1	1
50456	1	1	1	1	0	0	0	0	1	1	1
50457	1	1	1	1	0	0	0	0	1	1	1
50458	1	1	1	1	0	0	0	0	1	1	1
50459	1	1	1	1	0	0	0	0	1	1	1
50461	1	1	1	1	0	0	0	0	1	1	1
50462	1	1	1	1	0	0	0	0	1	1	1
n	8	8	8	8	8	8	8	8	8	8	8

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 administration
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50551	1	1	1	1	0	0	0	0	1	1	1
50552	1	1	1	1	0	0	0	0	1	1	1
50553	1	1	1	1	0	0	0	0	1	1	1
50554	1	1	1	1	0	0	0	0	1	1	1
50555	1	1	1	1	0	0	0	0	1	1	1
50556	1	1	1	1	0	0	0	0	1	1	1
50557	1	1	1	1	0	0	0	0	1	1	1
50558	1	1	1	1	0	0	0	0	1	1	1
50559	1	1	1	1	0	0	0	0	1	1	1
50560	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	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.

Detailed clinical observation (in the open-field) Stage : Pre administration
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50651	1	1	1	1	0	0	0	0	1	1	1
50652	1	1	1	1	0	0	0	0	1	1	1
50653	1	1	1	1	0	0	0	0	1	1	1
50654	1	1	1	1	0	0	0	0	1	1	1
50655	1	1	1	1	0	0	0	0	1	1	1
50656	1	1	1	1	0	0	0	0	1	1	1
50657	1	1	1	1	0	0	0	0	1	1	1
50658	1	1	1	1	0	0	0	0	1	1	1
50659	1	1	1	1	0	0	0	0	1	1	1
50660	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	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.

Detailed clinical observation (in the open-field) Stage : Day 7
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50551	1	1	1	1	0	0	0	0	1	1	1
50552	1	1	1	1	0	0	0	0	1	1	1
50553	1	1	1	1	0	0	0	0	1	1	1
50554	1	1	1	1	0	0	0	0	1	1	1
50555	1	1	1	1	0	0	0	0	1	1	1
50556	1	1	1	1	0	0	0	0	1	1	1
50557	1	1	1	1	0	0	0	0	1	1	1
50558	1	1	1	1	1	0	0	0	1	1	1
50559	1	1	1	1	0	0	0	0	1	1	1
50560	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	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.

Detailed clinical observation (in the open-field) Stage : Day 7
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50651	1	1	1	1	0	0	0	0	1	1	1
50652	1	1	1	1	0	0	0	0	1	1	1
50653	1	1	1	1	0	0	0	0	1	1	1
50654	1	1	1	1	0	0	0	0	1	1	1
50655	1	1	1	1	0	0	0	0	1	1	1
50656	1	1	1	1	0	0	0	0	1	1	1
50657	1	1	1	1	0	0	0	0	1	1	1
50658	1	1	1	1	0	0	0	0	1	1	1
50659	1	1	1	1	0	0	0	0	1	1	1
50660	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	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.

Detailed clinical observation (in the open-field) Stage : Day 14
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50551	1	1	1	1	0	0	0	0	1	1	1
50552	1	1	1	1	0	0	0	0	1	1	1
50553	1	1	1	1	0	0	0	0	1	1	1
50554	1	1	1	1	0	0	0	0	1	1	1
50555	1	1	1	1	0	0	0	0	1	1	1
50556	1	1	1	1	0	0	0	0	1	1	1
50557	1	1	1	1	0	0	0	0	1	1	1
50558	1	1	1	1	0	0	0	0	1	1	1
50559	1	1	1	1	0	0	0	0	1	1	1
50560	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	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.

Detailed clinical observation (in the open-field) Stage : Day 14
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50651	1	1	1	1	0	0	0	0	1	1	1
50652	1	1	1	1	0	0	0	0	1	1	1
50653	1	1	1	1	0	0	0	0	1	1	1
50654	1	1	1	1	0	0	0	0	1	1	1
50655	1	1	1	1	0	0	0	0	1	1	1
50656	1	1	1	1	0	0	0	0	1	1	1
50657	1	1	1	1	0	0	0	0	1	1	1
50658	1	1	1	1	0	0	0	0	1	1	1
50659	1	1	1	1	0	0	0	0	1	1	1
50660	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	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.

Detailed clinical observation (in the open-field) Stage : Day 21
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50551	1	1	1	1	0	0	0	0	1	1	1
50552	1	1	1	1	0	0	0	0	1	1	1
50553	1	1	1	1	0	0	0	0	1	1	1
50554	1	1	1	1	0	0	0	0	1	1	1
50555	1	1	1	1	0	0	0	0	1	1	1
50556	1	1	1	1	0	0	0	0	1	1	1
50557	1	1	1	1	0	0	0	0	1	1	1
50558	1	1	1	1	0	0	0	0	1	1	1
50559	1	1	1	1	0	0	0	0	1	1	1
50560	1	1	1	1	1	0	0	0	1	1	1
n	10	10	10	10	10	10	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.

Detailed clinical observation (in the open-field) Stage : Day 21
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50651	1	1	1	1	0	0	0	0	1	1	1
50652	1	1	1	1	0	0	0	0	1	1	1
50653	1	1	1	1	0	0	0	0	1	1	1
50654	1	1	1	1	0	0	0	0	1	1	1
50655	1	1	1	1	0	0	0	0	1	1	1
50656	1	1	1	1	0	0	0	0	1	1	1
50657	1	1	1	1	0	0	0	0	1	1	1
50658	1	1	1	1	0	0	0	0	1	1	1
50659	1	1	1	1	0	0	0	0	1	1	1
50660	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	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.

Detailed clinical observation (in the open-field) Stage : Day 28
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50551	1	1	1	1	0	0	0	0	1	1	1
50552	1	1	1	1	0	0	0	0	1	1	1
50553	1	1	1	1	0	0	0	0	1	1	1
50554	1	1	1	1	0	0	0	0	1	1	1
50555	1	1	1	1	0	0	0	0	1	1	1
50556	1	1	1	1	0	0	0	0	1	1	1
50557	1	1	1	1	0	0	0	0	1	1	1
50558	1	1	1	1	0	0	0	0	1	1	1
50559	1	1	1	1	0	0	0	0	1	1	1
50560	1	1	1	1	0	0	0	0	1	1	1
n	10	10	10	10	10	10	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.

Detailed clinical observation (in the open-field) Stage : Day 28
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50651	1	1	1	1	0	0	0	0	1	1	1
50652	1	1	1	1	0	0	0	0	1	1	1
50653	1	1	1	1	0	0	0	0	1	1	1
50654	1	1	1	1	0	0	0	0	1	1	1
50655	1	1	1	1	0	0	0	0	1	1	1
50656	1	1	1	1	0	0	0	0	1	1	1
50657	1	1	1	1	0	0	0	0	1	1	1
50658	1	1	1	1	0	0	0	0	1	1	1
50659	1	1	1	1	0	0	0	0	1	1	1
50660	1	1	1	1	1	0	0	0	1	1	1
n	10	10	10	10	10	10	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.

Detailed clinical observation (in the open-field) Stage : Recovery Day 7
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10102	1	1	1	1	0	0	0	0	1	1	1
10105	1	1	1	1	0	0	0	0	1	1	1
10109	1	1	1	1	0	0	0	0	1	1	1
10110	1	1	1	1	1	0	0	0	1	1	1
10112	1	1	1	1	0	0	0	0	1	1	1
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.

Detailed clinical observation (in the open-field) Stage : Recovery Day 7
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10402	1	1	1	1	0	0	0	0	1	1	1
10404	1	1	1	1	0	0	0	0	1	1	1
10406	1	1	1	1	0	0	0	0	1	1	1
10407	1	1	1	1	0	0	0	0	1	1	1
10412	1	1	1	1	1	1	0	0	1	1	1
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.

Detailed clinical observation (in the open-field) Stage : Recovery Day 14
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10102	1	1	1	1	0	0	0	0	1	1	1
10105	1	1	1	1	0	0	0	0	1	1	1
10109	1	1	1	1	0	0	0	0	1	1	1
10110	1	1	1	1	1	0	0	0	1	1	1
10112	1	1	1	1	0	0	0	0	1	1	1
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.

Detailed clinical observation (in the open-field) Stage : Recovery Day 14
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
10402	1	1	1	1	0	0	0	0	1	1	1
10404	1	1	1	1	0	0	0	0	1	1	1
10406	1	1	1	1	1	0	0	0	1	1	1
10407	1	1	1	1	0	0	0	0	1	1	1
10412	1	1	1	1	0	0	0	0	1	1	1
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.

Detailed clinical observation (in the open-field) Stage : Recovery Day 7
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50556	1	1	1	1	0	0	0	0	1	1	1
50557	1	1	1	1	0	0	0	0	1	1	1
50558	1	1	1	1	0	0	0	0	1	1	1
50559	1	1	1	1	0	0	0	0	1	1	1
50560	1	1	1	1	0	0	0	0	1	1	1
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.

Detailed clinical observation (in the open-field) Stage : Recovery Day 7
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50656	1	1	1	1	0	0	0	0	1	1	1
50657	1	1	1	1	0	0	0	0	1	1	1
50658	1	1	1	1	0	0	0	0	1	1	1
50659	1	1	1	1	1	0	0	0	1	1	1
50660	1	1	1	1	0	0	0	0	1	1	1
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.

Detailed clinical observation (in the open-field) Stage : Recovery Day 14
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50556	1	1	1	1	0	0	0	0	1	1	1
50557	1	1	1	1	0	0	0	0	1	1	1
50558	1	1	1	1	0	0	0	0	1	1	1
50559	1	1	1	1	0	0	0	0	1	1	1
50560	1	1	1	1	1	0	0	0	1	1	1
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.

Detailed clinical observation (in the open-field) Stage : Recovery Day 14
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Gait	Co-ordination of movement	Reactivity to stimuli	Searching	Urination	Defecation	Excessive grooming	Unusual head movement	Walking backward	Vocalization	Aggression
50656	1	1	1	1	0	0	0	0	1	1	1
50657	1	1	1	1	0	0	0	0	1	1	1
50658	1	1	1	1	0	0	0	0	1	1	1
50659	1	1	1	1	0	0	0	0	1	1	1
50660	1	1	1	1	1	0	0	0	1	1	1
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.

Functional observations (on the desk) Stage : Week 4
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
10102	4	2	1	2	1	1
10105	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.

Functional observations (on the desk) Stage : Week 4
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
10203	4	2	1	2	1	1
10204	4	2	1	2	1	1
10207	4	2	1	2	1	1
10209	4	2	1	2	1	1
10211	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
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
10301	4	2	1	2	1	1
10303	4	2	1	2	1	1
10305	4	2	1	2	1	1
10310	4	2	1	2	1	1
10311	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
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	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
10406	4	2	1	2	1	1
10407	4	2	1	2	1	1
10412	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 4
Sex : Female Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
50151	4	2	1	2	1	1
50153	4	2	1	2	1	1
50154	4	2	1	2	1	1
50158	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 4
Sex : Female Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
50252	4	2	1	2	1	1
50256	4	2	1	2	1	1
50257	4	2	1	2	1	1
50258	4	2	1	2	1	1
50262	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 4
Sex : Female Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
50351	4	2	1	2	1	1
50355	4	2	1	2	1	1
50357	4	2	1	2	1	1
50358	4	2	1	2	1	1
50359	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 4
Sex : Female Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
50451	4	2	1	2	1	1
50452	4	2	1	2	1	1
50453	4	2	1	2	1	1
50454	4	2	1	2	1	1
50460	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
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	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 : Week 4
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	Visual reactivity	Touch reactivity	Auditory reactivity	Pain reactivity	Proprioceptive reactivity	Righting reflex
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
Sex : Male
Stage : Week 4
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Forelimb, 1st g	Forelimb, 2nd g	Forelimb, 3rd g	Forelimb g	Hindlimb, 1st g	Hindlimb, 2nd g	Hindlimb, 3rd g	Hindlimb g
10102	1198	1167	1339	1234.7	524	347	404	425.0
10105	1348	1347	1562	1419.0	528	404	406	446.0
10109	1394	1221	1126	1247.0	504	455	467	475.3
10110	1188	1138	1202	1176.0	429	514	473	472.0
10112	1212	1289	1382	1294.3	425	536	453	471.3
n	5	5	5	5	5	5	5	5
Mean	1268.0	1232.4	1322.2	1274.20	482.0	451.2	440.6	457.92
S.D.	95.8	86.1	169.0	91.26	51.0	77.8	33.3	21.82

Grip strength
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 100 mg/kg

Species : Rat

Animal No.	Forelimb, 1st g	Forelimb, 2nd g	Forelimb, 3rd g	Forelimb g	Hindlimb, 1st g	Hindlimb, 2nd g	Hindlimb, 3rd g	Hindlimb g
10203	938	1140	921	999.7	488	528	531	515.7
10204	1092	1066	1053	1070.3	370	392	344	368.7
10207	1473	1523	1280	1425.3	468	391	417	425.3
10209	1263	1128	1112	1167.7	438	454	492	461.3
10211	988	1060	1334	1127.3	441	449	443	444.3
n	5	5	5	5	5	5	5	5
Mean	1150.8	1183.4	1140.0	1158.06	441.0	442.8	445.4	443.06
S.D.	218.9	193.2	168.5	162.20	44.7	56.3	71.8	53.52

Grip strength
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 300 mg/kg

Species : Rat

Animal No.	Forelimb, 1st g	Forelimb, 2nd g	Forelimb, 3rd g	Forelimb g	Hindlimb, 1st g	Hindlimb, 2nd g	Hindlimb, 3rd g	Hindlimb g
10301	1374	1570	1390	1444.7	585	554	606	581.7
10303	1089	1066	986	1047.0	462	442	426	443.3
10305	1325	1216	1321	1287.3	458	418	529	468.3
10310	1531	1572	1291	1464.7	509	553	477	513.0
10311	1239	1293	1574	1368.7	420	518	567	501.7
n	5	5	5	5	5	5	5	5
Mean	1311.6	1343.4	1312.4	1322.48	486.8	497.0	521.0	501.60
S.D.	163.6	223.2	213.0	169.14	63.3	63.4	71.4	52.57

Grip strength
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	Forelimb, 1st g	Forelimb, 2nd g	Forelimb, 3rd g	Forelimb g	Hindlimb, 1st g	Hindlimb, 2nd g	Hindlimb, 3rd g	Hindlimb g
10402	991	968	1068	1009.0	502	438	433	457.7
10404	1100	1299	1353	1250.7	500	440	349	429.7
10406	1347	1198	1292	1279.0	375	497	422	431.3
10407	1210	1116	1005	1110.3	453	412	478	447.7
10412	1027	1013	1228	1089.3	614	577	601	597.3
n	5	5	5	5	5	5	5	5
Mean	1135.0	1118.8	1189.2	1147.66	488.8	472.8	456.6	472.74
S.D.	145.1	134.8	147.9	113.90	86.9	66.0	93.1	70.60

Grip strength
Sex : Female
Stage : Lactation Day 4
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Forelimb, 1st g	Forelimb, 2nd g	Forelimb, 3rd g	Forelimb g	Hindlimb, 1st g	Hindlimb, 2nd g	Hindlimb, 3rd g	Hindlimb g
50151	1120	1089	1212	1140.3	378	347	332	352.3
50153	1105	1009	1190	1101.3	442	441	330	404.3
50154	1127	1401	1146	1224.7	439	456	382	425.7
50158	1203	1209	1329	1247.0	376	344	340	353.3
50160	1280	1530	1562	1457.3	439	412	538	463.0
n	5	5	5	5	5	5	5	5
Mean	1167.0	1247.6	1287.8	1234.12	414.8	400.0	384.4	399.72
S.D.	73.7	216.1	167.6	138.30	34.5	52.2	88.4	47.71

Grip strength
Sex : Female
Stage : Lactation Day 4
Dose : 2-Methylpentane 100 mg/kg
Species : Rat

Animal No.	Forelimb, 1st g	Forelimb, 2nd g	Forelimb, 3rd g	Forelimb g	Hindlimb, 1st g	Hindlimb, 2nd g	Hindlimb, 3rd g	Hindlimb g
50252	1513	1587	1679	1593.0	486	519	402	469.0
50256	1544	1646	1277	1489.0	460	431	498	463.0
50257	1196	1382	1347	1308.3	438	357	418	404.3
50258	1135	1184	1225	1181.3	438	517	495	483.3
50262	1554	1605	1629	1596.0	462	424	452	446.0
n	5	5	5	5	5	5	5	5
Mean	1388.4	1480.8	1431.4	1433.52	456.8	449.6	453.0	453.12
S.D.	205.2	194.8	208.5	183.17	20.0	68.8	43.6	30.39

Grip strength
Sex : Female
Stage : Lactation Day 4
Dose : 2-Methylpentane 300 mg/kg
Species : Rat

Animal No.	Forelimb, 1st g	Forelimb, 2nd g	Forelimb, 3rd g	Forelimb g	Hindlimb, 1st g	Hindlimb, 2nd g	Hindlimb, 3rd g	Hindlimb g
50351	1315	1134	1588	1345.7	453	417	455	441.7
50355	1171	1427	1327	1308.3	467	418	422	435.7
50357	1270	1327	1032	1209.7	417	435	412	421.3
50358	1184	1095	1035	1104.7	449	434	495	459.3
50359	1167	1307	1240	1238.0	510	484	426	473.3
n	5	5	5	5	5	5	5	5
Mean	1221.4	1258.0	1244.4	1241.28	459.2	437.6	442.0	446.26
S.D.	67.1	139.3	231.2	93.62	33.8	27.3	33.7	20.35

Grip strength
Sex : Female

Stage : Lactation Day 4
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	Forelimb, 1st g	Forelimb, 2nd g	Forelimb, 3rd g	Forelimb g	Hindlimb, 1st g	Hindlimb, 2nd g	Hindlimb, 3rd g	Hindlimb g
50451	1483	1568	1407	1486.0	447	424	479	450.0
50452	1136	1058	1170	1121.3	508	460	471	479.7
50453	991	1044	1038	1024.3	456	435	455	448.7
50454	1071	1144	1206	1140.3	430	400	387	405.7
50460	1328	1235	1350	1304.3	320	445	402	389.0
n	5	5	5	5	5	5	5	5
Mean	1201.8	1209.8	1234.2	1215.24	432.2	432.8	438.8	434.62
S.D.	200.5	214.4	147.2	181.76	69.1	22.6	41.7	36.69

Grip strength
Sex : Female (satellite)
Stage : Week 4
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Forelimb, 1st g	Forelimb, 2nd g	Forelimb, 3rd g	Forelimb g	Hindlimb, 1st g	Hindlimb, 2nd g	Hindlimb, 3rd g	Hindlimb g
50556	1164	1067	1042	1091.0	383	315	389	362.3
50557	932	1012	1029	991.0	375	466	371	404.0
50558	1084	1140	1165	1129.7	445	366	416	409.0
50559	814	1020	942	925.3	358	392	355	368.3
50560	1103	1365	1219	1229.0	387	406	418	403.7
n	5	5	5	5	5	5	5	5
Mean	1019.4	1120.8	1079.4	1073.20	389.6	389.0	389.8	389.46
S.D.	143.1	145.7	111.4	118.76	32.9	55.3	27.6	22.26

Grip strength
Sex : Female (satellite)
Stage : Week 4
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	Forelimb, 1st g	Forelimb, 2nd g	Forelimb, 3rd g	Forelimb g	Hindlimb, 1st g	Hindlimb, 2nd g	Hindlimb, 3rd g	Hindlimb g
50656	811	1116	1026	984.3	455	434	377	422.0
50657	1034	1038	914	995.3	396	470	429	431.7
50658	1396	1402	1158	1318.7	490	400	437	442.3
50659	1052	885	1035	990.7	376	350	348	358.0
50660	1189	974	1245	1136.0	349	362	425	378.7
n	5	5	5	5	5	5	5	5
Mean	1096.4	1083.0	1075.6	1085.00	413.2	403.2	403.2	406.54
S.D.	215.4	197.5	128.2	145.17	58.0	49.9	38.8	36.34

Motor activity measurements
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

Animal No.	0' - 10' No.	10' - 20' No.	20' - 30' No.	30' - 40' No.	40' - 50' No.	50' - 60' No.	0' - 60' No.
10102	652	731	500	109	2	1	1995
10105	818	676	492	334	99	0	2419
10109	505	481	303	298	172	115	1874
10110	508	377	409	332	226	264	2116
10112	691	372	253	200	195	415	2126
n	5	5	5	5	5	5	5
Mean	634.8	527.4	391.4	254.6	138.8	159.0	2106.0
S.D.	132.2	167.7	110.9	97.9	89.7	179.4	202.9

Motor activity measurements
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 100 mg/kg

Species : Rat

Animal No.	0' - 10' No.	10' - 20' No.	20' - 30' No.	30' - 40' No.	40' - 50' No.	50' - 60' No.	0' - 60' No.
10203	473	533	272	117	236	214	1845
10204	814	357	379	53	169	39	1811
10207	434	222	148	128	26	45	1003
10209	359	259	201	78	116	86	1099
10211	576	369	325	445	145	0	1860
n	5	5	5	5	5	5	5
Mean	531.2	348.0	265.0	164.2	138.4	76.8	1523.6
S.D.	176.4	121.0	92.8	159.8	76.9	82.5	433.1

Motor activity measurements
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 300 mg/kg

Species : Rat

Animal No.	0' - 10' No.	10' - 20' No.	20' - 30' No.	30' - 40' No.	40' - 50' No.	50' - 60' No.	0' - 60' No.
10301	893	824	416	428	191	0	2752
10303	499	260	289	143	286	16	1493
10305	529	376	265	229	335	161	1895
10310	632	428	283	222	153	120	1838
10311	405	213	100	209	233	156	1316
n	5	5	5	5	5	5	5
Mean	591.6	420.2	270.6	246.2	239.6	90.6	1858.8
S.D.	186.9	241.7	112.7	107.2	72.7	77.3	554.1

Motor activity measurements
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	0' - 10' No.	10' - 20' No.	20' - 30' No.	30' - 40' No.	40' - 50' No.	50' - 60' No.	0' - 60' No.
10402	732	393	275	250	242	410	2302
10404	914	420	139	102	0	0	1575
10406	883	701	547	340	250	355	3076
10407	374	258	120	191	103	23	1069
10412	421	213	87	130	0	6	857
n	5	5	5	5	5	5	5
Mean	664.8	397.0	233.6	202.6	119.0	158.8	1775.8
S.D.	254.1	191.1	189.3	95.7	123.4	205.3	915.4

Motor activity measurements
Sex : Female
Stage : Lactation Day 4
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	0' - 10' No.	10' - 20' No.	20' - 30' No.	30' - 40' No.	40' - 50' No.	50' - 60' No.	0' - 60' No.
50151	569	274	399	321	61	0	1624
50153	823	279	183	375	613	192	2465
50154	438	35	1	37	147	182	840
50158	544	223	281	51	169	437	1705
50160	409	72	71	0	28	13	593
n	5	5	5	5	5	5	5
Mean	556.6	176.6	187.0	156.8	203.6	164.8	1445.4
S.D.	163.7	115.2	159.6	176.6	236.2	177.0	747.0

Motor activity measurements
Sex : Female

Stage : Lactation Day 4
Dose : 2-Methylpentane 100 mg/kg

Species : Rat

Animal No.	0' - 10' No.	10' - 20' No.	20' - 30' No.	30' - 40' No.	40' - 50' No.	50' - 60' No.	0' - 60' No.
50252	358	65	36	13	488	144	1104
50256	592	226	0	18	208	7	1051
50257	618	245	0	0	0	0	863
50258	793	103	105	0	0	0	1001
50262	611	176	15	3	0	0	805
n	5	5	5	5	5	5	5
Mean	594.4	163.0	31.2	6.8	139.2	30.2	964.8
S.D.	155.1	77.6	43.8	8.2	214.8	63.7	126.5

Motor activity measurements
Sex : Female

Stage : Lactation Day 4
Dose : 2-Methylpentane 300 mg/kg

Species : Rat

	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'
Animal No.	No.	No.	No.	No.	No.	No.	No.
50351	739	36	11	7	0	0	793
50355	1049	252	0	0	0	0	1301
50357	835	435	533	651	305	291	3050
50358	814	350	206	115	224	125	1834
50359	892	240	259	308	146	32	1877
n	5	5	5	5	5	5	5
Mean	865.8	262.6	201.8	216.2	135.0	89.6	1771.0
S.D.	116.1	149.4	218.0	273.1	135.5	123.7	840.9

Motor activity measurements
Sex : Female
Stage : Lactation Day 4
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

	0' - 10'	10' - 20'	20' - 30'	30' - 40'	40' - 50'	50' - 60'	0' - 60'
Animal No.	No.	No.	No.	No.	No.	No.	No.
50451	936	7	446	6	0	179	1574
50452	603	55	172	1	0	0	831
50453	388	89	4	102	7	0	590
50454	469	35	2	0	62	249	817
50460	388	22	33	0	0	0	443
n	5	5	5	5	5	5	5
Mean	556.8	41.6	131.4	21.8	13.8	85.6	851.0
S.D.	229.5	31.8	189.3	44.9	27.1	119.8	435.6

Motor activity measurements
Sex : Female (satellite)
Stage : Week 4
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	0' - 10' No.	10' - 20' No.	20' - 30' No.	30' - 40' No.	40' - 50' No.	50' - 60' No.	0' - 60' No.
50556	830	786	543	583	461	592	3795
50557	718	203	320	2	38	374	1655
50558	906	265	182	7	235	0	1595
50559	686	302	411	315	364	266	2344
50560	822	645	425	530	134	0	2556
n	5	5	5	5	5	5	5
Mean	792.4	440.2	376.2	287.4	246.4	246.4	2389.0
S.D.	89.5	258.6	134.4	277.1	170.4	253.7	891.1

Motor activity measurements
Sex : Female (satellite)
Stage : Week 4
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	0' - 10' No.	10' - 20' No.	20' - 30' No.	30' - 40' No.	40' - 50' No.	50' - 60' No.	0' - 60' No.
50656	520	318	256	148	155	222	1619
50657	1252	1083	449	144	506	562	3996
50658	959	498	407	323	243	182	2612
50659	808	271	188	49	76	238	1630
50660	1137	962	933	702	468	0	4202
n	5	5	5	5	5	5	5
Mean	935.2	626.4	446.6	273.2	289.6	240.8	2811.8
S.D.	287.3	373.8	292.1	259.3	190.1	203.1	1244.4

Body weight
Sex : Male
Period : Administration Day 1-28
Dose : 2-Methylpentane 0 mg/kg
Unit : g Species : Rat

Animal No.	/Day 1	4	7	14	21	28	Body weight gain
10101	375	390	403	441	472	503	128
10102	377	390	403	433	459	482	105
10103	378	392	413	460	502	545	167
10104	390	408	431	476	506	546	156
10105	360	373	394	419	444	469	109
10106	345	353	362	390	413	429	84
10107	364	368	377	399	416	434	70
10108	357	357	366	391	416	440	83
10109	392	405	415	439	457	469	77
10110	347	359	370	393	418	435	88
10111	344	351	361	377	397	416	72
10112	377	390	400	434	466	487	110
n	12	12	12	12	12	12	12
Mean	367.2	378.0	391.3	421.0	447.2	471.3	104.1
S.D.	16.8	20.3	23.4	31.1	35.9	43.6	32.1

Body weight
Sex : Male
Period : Administration Day 1-28
Dose : 2-Methylpentane 100 mg/kg
Unit : g Species : Rat

Animal No.	/Day 1	4	7	14	21	28	Body weight gain
10201	359	380	396	432	452	482	123
10202	352	362	373	386	414	436	84
10203	365	382	393	414	438	470	105
10204	370	384	400	426	444	462	92
10205	357	363	373	393	414	435	78
10206	343	350	357	371	388	404	61
10207	356	366	379	408	432	448	92
10208	387	390	401	422	461	493	106
10209	371	377	386	410	448	462	91
10210	374	395	415	446	475	510	136
10211	381	390	403	431	444	473	92
10212	385	408	426	464	493	525	140
n	12	12	12	12	12	12	12
Mean	366.7	378.9	391.8	416.9	441.9	466.7	100.0
S.D.	13.8	16.3	19.4	25.9	28.3	33.7	23.4

Body weight
Sex : Male
Period : Administration Day 1-28
Dose : 2-Methylpentane 300 mg/kg
Unit : g Species : Rat

Animal No.	/Day 1	4	7	14	21	28	Body weight gain
10301	375	391	409	443	456	481	106
10302	359	373	381	403	419	439	80
10303	369	385	404	434	455	480	111
10304	392	407	426	450	478	508	116
10305	347	372	387	422	451	482	135
10306	377	395	416	454	477	504	127
10307	342	350	358	384	406	435	93
10308	345	362	372	401	409	434	89
10309	386	400	416	450	479	511	125
10310	369	386	401	434	448	473	104
10311	356	365	379	411	436	462	106
10312	374	392	409	445	458	489	115
n	12	12	12	12	12	12	12
Mean	365.9	381.5	396.5	427.6	447.7	474.8	108.9
S.D.	16.2	17.1	20.8	23.0	25.6	27.4	16.2

Body weight
Sex : Male
Period : Administration Day 1-28
Dose : 2-Methylpentane 1000 mg/kg
Unit : g Species : Rat

Animal No.	/Day 1	4	7	14	21	28	Body weight gain
10401	354	366	385	412	431	450	96
10402	366	387	400	426	444	467	101
10403	377	394	411	437	461	483	106
10404	367	388	403	431	455	481	114
10405	347	362	377	388	397	422	75
10406	384	401	393	434	451	470	86
10407	358	375	388	414	440	458	100
10408	368	384	358	...	...	...	:::
10409	362	379	340	381	426	454	92
10410	342	353	337	376	406	429	87
10411	397	417	435	472	514	542	145
10412	367	375	384	421	437	448	81
n	12	12	12	11	11	11	11
Mean	365.8	381.8	384.3	417.5	442.0	464.0	98.5
S.D.	15.3	17.6	28.5	28.0	30.9	32.2	19.1

... : Mortality data, ::: : Impossible to calculate
Animal No.10408 died on Administration Day 7.

Body weight
Sex : Female
Period : F0 before mating Day 1-21
Dose : 2-Methylpentane 0 mg/kg
Unit : g Species : Rat

Animal No.	/Day 1	4	7	14	Body weight gain	/Day 21
50151	239	247	252	264	25	
50152	240	248	255	263	23	
50153	236	244	243	265	29	
50154	233	234	237	250	17	
50155	247	248	258	267	20	
50156	248	260	264	274	26	317
50157	220	223	224	226	6	237
50158	231	235	237	252	21	
50159	223	234	239	240	17	
50160	269	275	285	287	18	
50161	270	277	274	297	27	
50162	218	229	230	229	11	
n	12	12	12	12	12	
Mean	239.5	246.2	249.8	259.5	20.0	
S.D.	17.0	17.2	18.3	21.5	6.7	

Body weight
Sex : Female
Period : F0 gestation Day 0-20
Dose : 2-Methylpentane 0 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 0	7	14	20	Body weight gain
50151	261	301	335	425	164
50152	274	302	350	455	181
50153	261	303	350	449	188
50154	252	280	311	379	127
50155	271	297	326	385	114
50156	331	361	398	486	155
50157	238	271	310	387	149
50158	257	294	343	432	175
50159	248 $	291 $	317 $	305 $	57 $
50160	294	334	373	432	138
50161	299	321	352	407	108
50162	229 $	277 $	273 $	267 $	38 $
n	10	10	10	10	10
Mean	273.8	306.4	344.8	423.7	149.9
S.D.	27.3	26.3	27.0	34.6	27.9

Animal No.50159 and 50162 : Non-pregnancy
$: Excepted data from calculation

Body weight
Sex : Female
Period : F0 lactation Day 0-4
Dose : 2-Methylpentane 0 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 0	4	Body weight gain
50151	326	351	25
50152	345	348	3
50153	344	349	5
50154	311	312	1
50155	304	330	26
50156	356	349	-7
50157	296	318	22
50158	327	341	14
50160	373	378	5
50161	356	356	0
n	10	10	10
Mean	333.8	343.2	9.4
S.D.	25.2	19.2	11.6

Body weight
Sex : Female
Period : F0 before mating Day 1-14
Dose : 2-Methylpentane 100 mg/kg
Unit : g Species : Rat

Animal No.	/Day 1	4	7	14	Body weight gain
50251	238	244	249	257	19
50252	248	247	264	279	31
50253	233	238	240	240	7
50254	241	248	248	256	15
50255	251	254	260	263	12
50256	256	266	272	289	33
50257	252	257	264	266	14
50258	229	235	235	251	22
50259	232	235	241	252	20
50260	228	232	241	251	23
50261	209	220	220	220	11
50262	272	281	292	311	39
n	12	12	12	12	12
Mean	240.8	246.4	252.2	261.3	20.5
S.D.	16.4	16.5	19.2	23.5	9.7

Body weight
Sex : Female
Period : F0 gestation Day 0-20
Dose : 2-Methylpentane 100 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 0	7	14	20	Body weight gain
50251	266	296	339	433	167
50252	280	322	367	458	178
50253	253	282	312	402	149
50254	268	301	338	419	151
50255	279	306	342	429	150
50256	291	326	383	474	183
50257	272	311	364	461	189
50258	251	284	308	384	133
50259	269	299	332	408	139
50260	256	288	334	404	148
50261	232	264	298	383	151
50262	299	349	379	479	180
n	12	12	12	12	12
Mean	268.0	302.3	341.3	427.8	159.8
S.D.	18.4	22.7	27.5	33.6	18.7

Body weight
Sex : Female
Period : F0 lactation Day 0-4
Dose : 2-Methylpentane 100 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 0	4	Body weight gain
50251	331	335	4
50252	344	349	5
50253	289	313	24
50254	321	332	11
50255	337	347	10
50256	382	375	-7
50257	362	385	23
50258	294	299	5
50259	317	321	4
50260	292	322	30
50261	290	298	8
50262	361	375	14
n	12	12	12
Mean	326.7	337.6	10.9
S.D.	31.7	29.4	10.4

Body weight
Sex : Female
Period : F0 before mating Day 1-14
Dose : 2-Methylpentane 300 mg/kg
Unit : g Species : Rat

Animal No.	/Day 1	4	7	14	Body weight gain
50351	248	245	258	268	20
50352	234	245	246	250	16
50353	239	249	255	268	29
50354	230	236	241	240	10
50355	247	249	250	272	25
50356	256	263	270	276	20
50357	226	225	221	240	14
50358	227	226	236	246	19
50359	231	239	236	256	25
50360	251	257	256	261	10
50361	259	275	284	294	35
50362	225	227	240	248	23
n	12	12	12	12	12
Mean	239.4	244.7	249.4	259.9	20.5
S.D.	12.3	15.4	16.8	16.4	7.5

Body weight
Sex : Female
Period : F0 gestation Day 0-20
Dose : 2-Methylpentane 300 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 0	7	14	20	Body weight gain
50351	269	300	332	426	157
50352	271	302	344	441	170
50353	287	314	346	427	140
50354	263	290	331	416	153
50355	273	303	348	443	170
50356	304	346	405	500	196
50357	246	271	303	379	133
50358	249	281	316	416	167
50359	262	310	343	418	156
50360	272	299	336	423	151
50361	292	335	375	460	168
50362	250	275	304	403	153
n	12	12	12	12	12
Mean	269.8	302.2	340.3	429.3	159.5
S.D.	17.8	22.4	28.6	30.2	16.3

Body weight
Sex : Female
Period : F0 lactation Day 0-4
Dose : 2-Methylpentane 300 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 0	4	Body weight gain
50351	338	350	12
50352	336	351	15
50353	312	351	39
50354	315	327	12
50355	328	348	20
50356	381	378	-3
50357	299	319	20
50358	315	325	10
50359	333	338	5
50360	319	322	3
50361	354	357	3
50362	288	302	14
n	12	12	12
Mean	326.5	339.0	12.5
S.D.	24.8	20.7	10.9

Body weight
Sex : Female
Period : F0 before mating Day 1-21
Dose : 2-Methylpentane 1000 mg/kg
Unit : g Species : Rat

Animal No.	/Day 1	4	7	14	Body weight gain	/Day 21
50451	238	249	249	258	20	
50452	250	255	255	272	22	
50453	236	241	240	259	23	
50454	236	243	238	253	17	
50455	242	250	256	261	19	299
50456	225	225	236	241	16	
50457	233	233	258	294	61	
50458	234	237	239	246	12	263
50459	250	255	257	254	4	
50460	255	262	270	283	28	
50461	222	230	240	243	21	
50462	274	282	288	295	21	
n	12	12	12	12	12	
Mean	241.3	246.8	252.2	263.3	22.0	
S.D.	14.3	15.7	15.4	18.7	13.7	

Body weight
Sex : Female
Period : F0 gestation Day 0-20
Dose : 2-Methylpentane 1000 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 0	7	14	20	Body weight gain
50451	262	314	345	395	133
50452	275	313	348	437	162
50453	249	292	333	427	178
50454	255	293	337	430	175
50455	316	332	369	459	143
50456	249	291	334	419	170
50457	292	319	357	447	155
50458	263	310	349	433	170
50459	281	317	353	432	151
50460	283	319	366	465	182
50461	263	285	321	409	146
50462	313	356	396	489	176
n	12	12	12	12	12
Mean	275.1	311.8	350.7	436.8	161.8
S.D.	22.8	20.0	19.9	25.5	15.9

Body weight
Sex : Female
Period : F0 lactation Day 0-4
Dose : 2-Methylpentane 1000 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 0	4	Body weight gain
50451	350	359	9
50452	331	350	19
50453	321	345	24
50454	344	336	-8
50455	350	360	10
50456	327	343	16
50457	346	356	10
50458	337	350	13
50459	334	350	16
50460	358	367	9
50461	325	338	13
50462	382	399	17
n	12	12	12
Mean	342.1	354.4	12.3
S.D.	17.0	16.8	7.8

Body weight
Sex : Female (satellite)
Period : Administration Day 1-28
Dose : 2-Methylpentane 0 mg/kg
Unit : g Species : Rat

Animal No.	/Day 1	4	7	14	21	28	Body weight gain
50551	242	244	258	268	275	277	35
50552	241	249	248	275	292	306	65
50553	253	252	260	260	275	283	30
50554	236	245	246	257	278	294	58
50555	235	227	225	227	235	251	16
50556	247	257	262	269	283	289	42
50557	236	242	245	249	260	262	26
50558	230	234	233	237	249	250	20
50559	233	238	235	238	250	255	22
50560	239	241	253	273	274	278	39
n	10	10	10	10	10	10	10
Mean	239.2	242.9	246.5	255.3	267.1	274.5	35.3
S.D.	6.9	8.7	12.4	16.8	17.8	19.3	16.2

Body weight
Sex : Female (satellite)
Period : Administration Day 1-28
Dose : 2-Methylpentane 1000 mg/kg
Unit : g Species : Rat

Animal No.	/Day 1	4	7	14	21	28	Body weight gain
50651	232	242	249	263	267	288	56
50652	252	256	269	281	291	296	44
50653	221	237	242	249	251	260	39
50654	236	246	248	248	260	274	38
50655	238	254	261	272	270	285	47
50656	238	239	244	255	266	278	40
50657	242	254	262	264	276	282	40
50658	248	251	257	251	271	276	28
50659	232	238	250	251	274	283	51
50660	242	252	257	266	284	288	46
n	10	10	10	10	10	10	10
Mean	238.1	246.9	253.9	260.0	271.0	281.0	42.9
S.D.	8.8	7.4	8.7	11.0	11.4	9.8	7.8

Body weight
Sex : Male
Period : Recovery Day 1-14
Dose : 2-Methylpentane 0 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 1	7	14	Body weight gain
10102	479	508	530	51
10105	467	485	498	31
10109	468	480	482	14
10110	434	447	447	13
10112	489	508	519	30
n	5	5	5	5
Mean	467.4	485.6	495.2	27.8
S.D.	20.7	25.1	32.7	15.5

Body weight
Sex : Male
Period : Recovery Day 1-14
Dose : 2-Methylpentane 1000 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 1	7	14	Body weight gain
10402	472	490	508	36
10404	476	496	517	41
10406	462	464	482	20
10407	448	470	495	47
10412	441	462	477	36
n	5	5	5	5
Mean	459.8	476.4	495.8	36.0
S.D.	15.1	15.6	16.9	10.0

Body weight
Sex : Female (satellite)
Period : Recovery Day 1-14
Dose : 2-Methylpentane 0 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 1	7	14	Body weight gain
50556	288	291	291	3
50557	261	267	268	7
50558	246	255	268	22
50559	251	253	255	4
50560	284	287	300	16
n	5	5	5	5
Mean	266.0	270.6	276.4	10.4
S.D.	19.1	17.7	18.5	8.3

Body weight
Sex : Female (satellite)

Period : Recovery Day 1-14
Dose : 2-Methylpentane 1000 mg/kg

Unit : g

Species : Rat

Animal No.	/Day 1	7	14	Body weight gain
50656	276	280	286	10
50657	279	287	287	8
50658	267	280	276	9
50659	278	288	293	15
50660	285	294	294	9
n	5	5	5	5
Mean	277.0	285.8	287.2	10.2
S.D.	6.5	5.9	7.2	2.8

Food consumption
Sex : Male
Period : Administration Day 1-28
Dose : 2-Methylpentane 0 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 4	7	14	28
10101	20.6	20.8	20.2	18.9
10102	22.2	20.6	19.4	17.2
10103	21.8	22.3	22.8	24.0
10104	22.0	23.5	22.5	20.1
10105	18.3	19.9	18.2	16.9
10106	15.9	14.7	14.9	:::
10107	20.6	16.7	15.6	:::
10108	15.9	16.4	16.7	17.4
10109	23.0	21.1	18.1	14.8
10110	17.7	18.3	16.1	15.2
10111	17.1	16.7	14.4	14.9
10112	21.3	21.0	20.0	18.3
n	12	12	12	10
Mean	19.70	19.33	18.24	17.77
S.D.	2.57	2.72	2.81	2.80

::: : During mating

Food consumption
Sex : Male
Period : Administration Day 1-28
Dose : 2-Methylpentane 100 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 4	7	14	28
10201	20.6	19.7	19.1	19.1
10202	19.4	17.9	15.1	16.0
10203	22.0	21.0	19.8	19.0
10204	20.6	20.7	18.5	17.0
10205	17.1	16.5	15.6	15.3
10206	17.7	16.4	15.2	14.6
10207	16.9	16.8	17.5	15.9
10208	20.6	19.4	17.3	19.0
10209	17.2	16.7	16.0	17.1
10210	21.7	20.9	20.0	19.7
10211	18.7	18.8	16.8	17.9
10212	20.9	20.0	19.8	19.5
n	12	12	12	12
Mean	19.45	18.73	17.56	17.51
S.D.	1.87	1.80	1.85	1.77

Food consumption
Sex : Male
Period : Administration Day 1-28
Dose : 2-Methylpentane 300 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 4	7	14	28
10301	19.8	20.1	20.7	15.9
10302	18.1	17.8	16.4	16.9
10303	22.1	21.9	20.9	18.6
10304	19.3	19.6	17.6	18.0
10305	20.5	19.2	19.6	18.1
10306	21.5	21.6	20.7	20.1
10307	17.2	17.5	18.0	18.6
10308	19.8	20.6	18.0	17.8
10309	20.7	20.0	20.3	18.9
10310	19.7	19.9	18.2	16.2
10311	16.8	16.0	17.3	16.7
10312	21.7	21.4	21.3	18.8
n	12	12	12	12
Mean	19.77	19.63	19.08	17.88
S.D.	1.71	1.78	1.68	1.24

Food consumption
Sex : Male
Period : Administration Day 1-28
Dose : 2-Methylpentane 1000 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 4	7	14	28
10401	19.7	21.9	20.6	:::
10402	21.0	19.6	18.6	17.4
10403	21.4	19.7	18.3	17.1
10404	20.6	21.0	18.5	17.0
10405	19.8	20.5	16.7	:::
10406	21.2	13.8	19.1	17.3
10407	19.7	18.6	17.9	17.3
10408	20.0	11.2	...	...
10409	20.6	7.1	14.3	17.8
10410	15.5	7.6	17.3	16.0
10411	21.7	20.7	20.6	19.0
10412	17.6	17.0	18.1	16.0
n	12	12	11	9
Mean	19.90	16.56	18.18	17.21
S.D.	1.76	5.31	1.76	0.91

... : Mortality data, ::: : During mating
Animal No.10408 died on Administration Day 7.

Food consumption
Sex : Female
Period : F0 before mating Day 1-14
Dose : 2-Methylpentane 0 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 4	7	14
50151	13.1	11.6	13.2
50152	13.2	13.5	13.3
50153	14.0	12.7	14.4
50154	12.6	13.6	14.2
50155	15.1	16.0	14.4
50156	16.3	16.0	17.1
50157	12.4	13.4	13.6
50158	14.3	12.9	14.7
50159	16.3	15.3	14.4
50160	16.6	14.9	15.6
50161	15.9	14.5	16.4
50162	13.0	12.0	11.6
n	12	12	12
Mean	14.40	13.87	14.41
S.D.	1.58	1.48	1.48

Food consumption
Sex : Female
Period : F0 gestation Day 0-20
Dose : 2-Methylpentane 0 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 7	14	20
50151	18.0	17.9	17.3
50152	16.8	20.3	20.7
50153	18.8	22.9	22.3
50154	16.9	18.4	16.9
50155	16.0	17.5	16.0
50156	21.6	22.5	20.4
50157	18.9	20.6	17.8
50158	18.7	21.1	19.6
50159	19.5 $	20.4 $	12.5 $
50160	19.6	22.8	22.2
50161	17.2	19.6	17.9
50162	19.3 $	14.3 $	10.5 $
n	10	10	10
Mean	18.25	20.36	19.11
S.D.	1.64	2.01	2.24

Animal No.50159 and 50162 : Non-pregnancy
$: Excepted data from calculation

Food consumption
Sex : Female
Period : F0 lactation Day 0-4
Dose : 2-Methylpentane 0 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 4
50151	28.9
50152	24.9
50153	27.2
50154	21.1
50155	24.4
50156	16.8
50157	26.2
50158	26.3
50160	19.1
50161	20.6
n	10
Mean	23.55
S.D.	3.93

Food consumption
Sex : Female
Period : F0 before mating Day 1-14
Dose : 2-Methylpentane 100 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 4	7	14
50251	12.3	13.1	13.7
50252	15.5	17.4	16.6
50253	12.6	10.8	11.9
50254	13.8	13.7	13.8
50255	13.7	13.8	12.6
50256	16.3	14.4	15.2
50257	15.0	14.0	13.6
50258	14.6	14.4	15.3
50259	14.2	14.0	13.6
50260	13.1	12.2	12.5
50261	12.1	10.7	11.1
50262	16.6	15.6	18.7
n	12	12	12
Mean	14.15	13.68	14.05
S.D.	1.50	1.87	2.12

Food consumption
Sex : Female
Period : F0 gestation Day 0-20
Dose : 2-Methylpentane 100 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 7	14	20
50251	16.1	18.2	19.3
50252	20.1	22.4	23.1
50253	15.6	15.4	17.7
50254	18.4	19.8	18.2
50255	15.2	16.9	17.7
50256	18.5	22.8	23.1
50257	19.5	23.2	23.4
50258	16.8	17.9	18.0
50259	18.7	18.0	15.9
50260	15.7	18.9	18.4
50261	16.4	17.0	19.7
50262	21.7	20.7	19.0
n	12	12	12
Mean	17.73	19.27	19.46
S.D.	2.06	2.53	2.45

Food consumption
Sex : Female
Period : F0 lactation Day 0-4
Dose : 2-Methylpentane 100 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 4
50251	24.6
50252	21.8
50253	26.6
50254	24.9
50255	19.8
50256	26.6
50257	32.0
50258	27.5
50259	21.0
50260	30.7
50261	25.5
50262	24.3
n	12
Mean	25.44
S.D.	3.63

Food consumption
Sex : Female
Period : F0 before mating Day 1-14
Dose : 2-Methylpentane 300 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 4	7	14
50351	13.5	15.2	13.9
50352	14.7	13.1	13.6
50353	14.4	13.0	15.5
50354	13.1	13.0	13.8
50355	14.0	14.2	15.4
50356	15.2	12.5	15.7
50357	11.5	11.1	12.5
50358	13.9	14.2	13.5
50359	13.5	13.2	14.9
50360	14.8	12.0	13.5
50361	17.3	15.8	15.6
50362	13.9	15.8	14.7
n	12	12	12
Mean	14.15	13.59	14.38
S.D.	1.38	1.48	1.05

Food consumption
Sex : Female
Period : F0 gestation Day 0-20
Dose : 2-Methylpentane 300 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 7	14	20
50351	17.3	19.4	21.5
50352	17.9	21.0	20.8
50353	17.4	17.4	16.6
50354	17.9	20.0	19.8
50355	17.9	20.9	22.5
50356	21.9	26.6	24.4
50357	15.5	16.3	15.9
50358	17.0	19.1	21.4
50359	20.6	21.3	20.3
50360	18.6	19.3	18.9
50361	19.7	20.4	17.8
50362	15.8	17.1	17.8
n	12	12	12
Mean	18.13	19.90	19.81
S.D.	1.86	2.66	2.51

Food consumption
Sex : Female
Period : F0 lactation Day 0-4
Dose : 2-Methylpentane 300 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 4
50351	27.7
50352	21.8
50353	35.0
50354	25.3
50355	26.4
50356	26.6
50357	29.4
50358	27.0
50359	24.9
50360	22.8
50361	23.5
50362	27.3
n	12
Mean	26.48
S.D.	3.46

Food consumption
Sex : Female
Period : F0 before mating Day 1-14
Dose : 2-Methylpentane 1000 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 4	7	14
50451	14.5	12.6	14.3
50452	14.5	15.0	16.4
50453	13.1	13.3	14.2
50454	13.0	12.0	14.1
50455	16.3	15.1	17.1
50456	12.9	13.6	12.2
50457	14.9	17.1	21.2
50458	14.2	13.1	14.2
50459	14.3	13.2	13.5
50460	16.1	16.8	15.8
50461	14.2	13.2	14.3
50462	15.7	16.2	16.2
n	12	12	12
Mean	14.48	14.27	15.29
S.D.	1.14	1.71	2.32

Food consumption
Sex : Female
Period : F0 gestation Day 0-20
Dose : 2-Methylpentane 1000 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 7	14	20
50451	22.5	24.3	21.9
50452	20.6	20.7	18.8
50453	17.2	19.7	20.6
50454	17.5	19.5	20.5
50455	18.3	20.8	19.8
50456	17.9	20.5	21.5
50457	19.7	24.0	25.6
50458	21.2	21.9	20.4
50459	20.1	21.8	21.6
50460	20.4	22.1	23.4
50461	17.2	19.4	23.6
50462	20.1	23.5	21.7
n	12	12	12
Mean	19.39	21.52	21.62
S.D.	1.73	1.72	1.86

Food consumption
Sex : Female
Period : F0 lactation Day 0-4
Dose : 2-Methylpentane 1000 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 4
50451	21.4
50452	22.6
50453	28.9
50454	24.4
50455	23.5
50456	29.4
50457	27.9
50458	27.8
50459	28.9
50460	29.2
50461	25.5
50462	32.6
n	12
Mean	26.84
S.D.	3.33

Food consumption
Sex : Female (satellite)
Period : Administration Day 1-28
Dose : 2-Methylpentane 0 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 4	7	14	21	28
50551	14.0	15.6	13.6	13.1	13.0
50552	15.1	14.4	16.9	16.0	16.9
50553	14.0	14.5	12.2	14.1	13.8
50554	13.4	12.7	14.2	15.1	13.9
50555	10.9	10.3	10.5	10.9	12.7
50556	15.0	14.9	16.4	14.8	12.9
50557	12.1	11.6	12.7	12.5	12.1
50558	12.7	13.0	13.3	12.8	12.0
50559	12.9	11.4	12.4	12.3	11.5
50560	12.8	15.7	13.8	12.2	12.2
n	10	10	10	10	10
Mean	13.29	13.41	13.60	13.38	13.10
S.D.	1.29	1.89	1.92	1.57	1.54

Food consumption
Sex : Female (satellite)
Period : Administration Day 1-28
Dose : 2-Methylpentane 1000 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 4	7	14	21	28
50651	14.6	13.8	14.5	13.5	15.2
50652	15.4	16.2	14.0	13.5	14.2
50653	14.7	11.7	12.4	11.6	12.4
50654	14.3	13.0	13.5	13.0	12.8
50655	16.3	14.8	14.0	13.5	14.2
50656	13.3	14.7	14.8	13.8	14.2
50657	15.6	14.9	15.1	14.2	12.9
50658	12.8	12.4	12.4	14.0	12.7
50659	15.1	16.5	15.1	16.6	16.0
50660	14.3	15.3	16.0	16.1	14.5
n	10	10	10	10	10
Mean	14.64	14.33	14.18	13.98	13.91
S.D.	1.05	1.58	1.17	1.44	1.18

Food consumption
Sex : Male
Period : Recovery Day 1-14
Dose : 2-Methylpentane 0 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 7	14
10102	24.8	26.7
10105	22.7	24.3
10109	22.1	22.4
10110	21.4	22.0
10112	27.0	27.0
n	5	5
Mean	23.60	24.48
S.D.	2.29	2.33

Food consumption
Sex : Male
Period : Recovery Day 1-14
Dose : 2-Methylpentane 1000 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 7	14
10402	26.0	26.7
10404	24.5	26.2
10406	22.4	24.0
10407	23.6	26.3
10412	24.1	25.7
n	5	5
Mean	24.12	25.78
S.D.	1.31	1.06

Food consumption
Sex : Female (satellite)
Period : Recovery Day 1-14
Dose : 2-Methylpentane 0 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 7	14
50556	17.8	19.8
50557	17.2	19.0
50558	17.0	19.0
50559	16.4	17.9
50560	18.4	19.7
n	5	5
Mean	17.36	19.08
S.D.	0.77	0.76

Food consumption
Sex : Female (satellite)
Period : Recovery Day 1-14
Dose : 2-Methylpentane 1000 mg/kg
Unit : g
Species : Rat

Animal No.	/Day 7	14
50656	17.8	19.0
50657	16.9	18.6
50658	17.0	19.4
50659	20.3	22.1
50660	20.4	20.9
n	5	5
Mean	18.48	20.00
S.D.	1.74	1.46

Urinary findings
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

Animal No.	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color
					EU/dL			
10102	8.5	±	-	-	0.1	-	-	A
10105	8.5	+	-	-	0.1	-	-	A
10109	8.0	+	-	-	0.1	-	-	A
10110	8.5	+	-	-	0.1	-	-	A
10112	8.5	+	-	-	0.1	-	±	A
n	5	5	5	5	5	5	5	5

A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings
Sex : Male
Stage : Week 4
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Urine volume mL/21hr
10102	9.0
10105	5.5
10109	6.5
10110	8.0
10112	6.0
n	5
Mean	7.00
S.D.	1.46

Urinary findings
Sex : Male
Stage : Week 4
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Specific gravity
10102	5
10105	5
10109	5
10110	5
10112	5
n	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
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

Animal No.	RBC	WBC	Squamous	Round	Small round	Cast
10102	-	-	-	-	-	-
10105	-	-	-	-	-	-
10109	-	-	-	-	-	-
10110	-	-	-	-	-	-
10112	-	-	-	-	-	-
n	5	5	5	5	5	5

Urinary findings
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 100 mg/kg

Species : Rat

Animal No.	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color
					EU/dL			
10203	8.5	+	-	-	0.1	-	-	A
10204	8.5	2+	-	-	0.1	-	-	A
10207	8.0	+	-	-	0.1	-	-	A
10209	7.5	+	-	-	0.1	-	-	A
10211	8.5	+	-	-	0.1	-	-	A
n	5	5	5	5	5	5	5	5

A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 100 mg/kg

Species : Rat

Animal No.	Urine volume mL/21hr
10203	5.5
10204	9.0
10207	7.0
10209	5.5
10211	11.5
n	5
Mean	7.70
S.D.	2.56

Urinary findings
Sex : Male
Stage : Week 4
Dose : 2-Methylpentane 100 mg/kg
Species : Rat

Animal No.	Specific gravity
10203	5
10204	4
10207	5
10209	5
10211	4
n	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
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 100 mg/kg

Species : Rat

Animal No.	RBC	WBC	Squamous	Round	Small round	Cast
10203	-	-	-	-	-	-
10204	-	-	-	-	-	-
10207	-	-	-	-	-	-
10209	-	-	-	-	-	-
10211	-	-	-	-	-	-
n	5	5	5	5	5	5

Urinary findings
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 300 mg/kg

Species : Rat

Animal No.	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color
					EU/dL			
10301	8.5	+	-	-	0.1	-	-	A
10303	8.5	±	-	-	0.1	-	-	A
10305	8.5	2+	-	-	0.1	-	-	A
10310	8.5	+	-	-	0.1	-	-	A
10311	8.5	±	-	-	0.1	-	-	A
n	5	5	5	5	5	5	5	5

A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 300 mg/kg

Species : Rat

Animal No.	Urine volume mL/21hr
10301	4.5
10303	6.5
10305	6.0
10310	9.0
10311	6.0
n	5
Mean	6.40
S.D.	1.64

Urinary findings
Sex : Male
Stage : Week 4
Dose : 2-Methylpentane 300 mg/kg
Species : Rat

Animal No.	Specific gravity
10301	5
10303	5
10305	5
10310	4
10311	5
n	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
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 300 mg/kg

Species : Rat

Animal No.	RBC	WBC	Squamous	Round	Small round	Cast
10301	-	-	-	-	-	-
10303	-	-	-	-	-	-
10305	-	-	±	-	-	-
10310	-	-	-	-	-	-
10311	-	-	-	-	-	-
n	5	5	5	5	5	5

Urinary findings
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color
					EU/dL			
10402	8.5	+	-	-	0.1	-	-	A
10404	8.5	+	-	-	0.1	-	-	A
10406	8.5	+	-	-	0.1	-	-	A
10407	7.5	+	-	-	0.1	-	-	A
10412	6.5	+	-	-	0.1	-	-	A
n	5	5	5	5	5	5	5	5

A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings
Sex : Male

Stage : Week 4
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	Urine volume mL/21hr
10402	5.5
10404	7.0
10406	11.0
10407	15.5
10412	4.0
n	5
Mean	8.60
S.D.	4.66

Urinary findings
Sex : Male
Stage : Week 4
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	Specific gravity
10402	5
10404	5
10406	4
10407	2
10412	5
n	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
Sex : Male
Stage : Week 4
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	RBC	WBC	Squamous	Round	Small round	Cast
10402	-	-	-	-	-	-
10404	-	-	-	-	-	-
10406	-	-	-	-	-	-
10407	-	-	-	-	-	-
10412	-	-	-	-	-	-
n	5	5	5	5	5	5

Urinary findings
Sex : Female (satellite)

Stage : Week 4
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

Animal No.	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color
					EU/dL			
50556	8.5	±	-	-	0.1	-	-	A
50557	8.5	2+	-	-	0.1	-	-	A
50558	6.5	±	-	-	0.1	-	-	A
50559	7.5	2+	-	-	0.1	-	-	A
50560	7.5	±	-	-	0.1	-	-	A
n	5	5	5	5	5	5	5	5

A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings
Sex : Female (satellite)
Stage : Week 4
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Urine volume mL/21hr
50556	7.0
50557	3.5
50558	2.5
50559	9.5
50560	5.0
n	5
Mean	5.50
S.D.	2.81

Urinary findings
Sex : Female (satellite)
Stage : Week 4
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Specific gravity
50556	4
50557	5
50558	5
50559	3
50560	4
n	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
Sex : Female (satellite)
Stage : Week 4
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	RBC	WBC	Squamous	Round	Small round	Cast
50556	-	-	±	-	±	-
50557	-	-	-	-	-	-
50558	-	-	-	-	-	-
50559	-	±	-	-	-	-
50560	-	-	-	-	-	-
n	5	5	5	5	5	5

Urinary findings Stage : Week 4
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color
					EU/dL			
50656	8.0	+	-	-	0.1	-	-	A
50657	8.5	+	-	-	0.1	-	-	A
50658	8.5	±	-	-	0.1	-	-	A
50659	6.5	2+	-	-	0.1	-	-	A
50660	8.0	+	-	-	0.1	-	-	A
n	5	5	5	5	5	5	5	5

A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings
Sex : Female (satellite)
Stage : Week 4
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	Urine volume mL/21hr
50656	5.5
50657	10.5
50658	4.5
50659	4.5
50660	7.5
n	5
Mean	6.50
S.D.	2.55

Urinary findings
Sex : Female (satellite)
Stage : Week 4
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	Specific gravity
50656	4
50657	3
50658	5
50659	5
50660	5
n	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
Sex : Female (satellite)
Stage : Week 4
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	RBC	WBC	Squamous	Round	Small round	Cast
50656	-	-	-	-	-	-
50657	-	-	-	-	-	-
50658	-	-	-	-	-	-
50659	-	-	-	-	-	-
50660	-	-	-	-	-	-
n	5	5	5	5	5	5

Urinary findings
Sex : Male

Stage : Recovery Week 2
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

Animal No.	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color
					EU/dL			
10102	8.5	+	-	-	0.1	-	-	A
10105	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

A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings
Sex : Male
Stage : Recovery Week 2
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Urine volume mL/21hr
10102	13.0
10105	6.5
10109	10.0
10110	8.5
10112	11.5
n	5
Mean	9.90
S.D.	2.53

Urinary findings
Sex : Male
Stage : Recovery Week 2
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Specific gravity
10102	4
10105	5
10109	5
10110	5
10112	5
n	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
Sex : Male
Stage : Recovery Week 2
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	RBC	WBC	Squamous	Round	Small round	Cast
10102	-	-	-	-	-	-
10105	-	-	±	-	-	-
10109	-	-	-	-	-	-
10110	-	-	-	-	-	-
10112	-	-	-	-	-	-
n	5	5	5	5	5	5

Urinary findings
Sex : Male

Stage : Recovery Week 2
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color
					EU/dL			
10402	8.5	+	-	-	0.1	-	-	A
10404	8.5	±	-	-	0.1	-	-	A
10406	8.5	+	-	-	0.1	-	-	A
10407	8.5	+	-	-	0.1	-	-	A
10412	8.5	+	-	-	0.1	-	-	A
n	5	5	5	5	5	5	5	5

A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings
Sex : Male
Stage : Recovery Week 2
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	Urine volume mL/21hr
10402	9.0
10404	14.5
10406	16.5
10407	14.0
10412	11.0
n	5
Mean	13.00
S.D.	2.98

Urinary findings
Sex : Male
Stage : Recovery Week 2
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	Specific gravity
10402	5
10404	4
10406	3
10407	4
10412	5
n	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
Sex : Male
Stage : Recovery Week 2
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	RBC	WBC	Squamous	Round	Small round	Cast
10402	-	-	-	-	-	-
10404	-	-	±	-	-	-
10406	-	-	-	-	-	-
10407	-	-	-	-	-	-
10412	-	-	-	-	-	-
n	5	5	5	5	5	5

Urinary findings
Sex : Female (satellite)

Stage : Recovery Week 2
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

Animal No.	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color
					EU/dL			
50556	8.5	±	-	-	0.1	-	-	A
50557	8.5	+	-	-	0.1	-	-	A
50558	8.0	+	-	-	0.1	-	-	A
50559	8.5	±	-	-	0.1	-	-	A
50560	8.0	-	-	-	0.1	-	-	A
n	5	5	5	5	5	5	5	5

A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings
Sex : Female (satellite)
Stage : Recovery Week 2
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Urine volume mL/21hr
50556	17.0
50557	8.0
50558	8.0
50559	12.0
50560	19.5
n	5
Mean	12.90
S.D.	5.22

Urinary findings
Sex : Female (satellite)
Stage : Recovery Week 2
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Specific gravity
50556	3
50557	5
50558	4
50559	4
50560	3
n	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
Sex : Female (satellite)
Stage : Recovery Week 2
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	RBC	WBC	Squamous	Round	Small round	Cast
50556	-	-	-	-	-	-
50557	-	-	-	-	-	-
50558	-	-	-	-	-	-
50559	-	-	-	-	-	-
50560	-	-	-	-	-	-
n	5	5	5	5	5	5

Urinary findings
Sex : Female (satellite)

Stage : Recovery Week 2
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	pH	Protein	Glucose	Ketone body	Urobilinogen	Bilirubin	Occult blood	Color
					EU/dL			
50656	8.5	+	-	-	0.1	-	-	A
50657	8.5	+	-	-	0.1	-	-	A
50658	8.5	+	-	-	0.1	-	-	A
50659	8.0	+	-	-	0.1	-	-	A
50660	8.5	±	-	-	0.1	-	-	A
n	5	5	5	5	5	5	5	5

A : Pale yellow or yellow, B : Orange yellow, C : Red brown, D : Creamy white

Urinary findings
Sex : Female (satellite)
Stage : Recovery Week 2
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	Urine volume mL/21hr
50656	6.5
50657	16.5
50658	7.0
50659	6.5
50660	10.5
n	5
Mean	9.40
S.D.	4.31

Urinary findings
Sex : Female (satellite)
Stage : Recovery Week 2
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	Specific gravity
50656	5
50657	3
50658	5
50659	5
50660	4
n	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
Sex : Female (satellite)
Stage : Recovery Week 2
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	RBC	WBC	Squamous	Round	Small round	Cast
50656	-	-	-	-	-	-
50657	-	-	-	-	-	-
50658	-	-	-	-	-	-
50659	-	-	-	-	-	-
50660	-	-	-	-	-	-
n	5	5	5	5	5	5

Hematological findings Stage : Day 29
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	RBC 10^4/μL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10^4/μL	WBC 10^2/μL	Neutrophil 10^2/μL	Lymphocyte 10^2/μL
10101	827	15.5	43.2	52.2	18.7	35.9	3.51	105.1	117.1	20.7	91.6
10103	886	15.4	43.3	48.9	17.4	35.6	3.69	137.5	134.1	26.6	100.1
10104	834	14.6	41.9	50.2	17.5	34.8	3.74	115.7	89.2	21.8	62.2
10106	819	14.8	42.5	51.9	18.1	34.8	3.21	98.5	115.6	19.5	90.4
10107	881	15.7	44.3	50.3	17.8	35.4	2.57	111.5	74.8	26.0	45.7
n	5	5	5	5	5	5	5	5	5	5	5
Mean	849.4	15.20	43.04	50.70	17.90	35.30	3.344	113.66	106.16	22.92	78.00
S.D.	31.6	0.47	0.90	1.35	0.52	0.49	0.480	14.83	23.77	3.20	23.02

Animal No.	Monocyte 10^2/μL	Eosinophil 10^2/μL	Basophil 10^2/μL	PT sec	APTT sec
10101	4.2	0.5	0.1	18.3	16.6
10103	5.6	1.7	0.1	15.6	13.1
10104	4.1	1.1	0.0	14.6	14.4
10106	5.1	0.6	0.0	18.8	19.3
10107	2.4	0.6	0.1	20.2	22.5
n	5	5	5	5	5
Mean	4.28	0.90	0.06	17.50	17.18
S.D.	1.22	0.50	0.05	2.33	3.79

Hematological findings
Sex : Male

Stage : Day 29
Dose : 2-Methylpentane 100 mg/kg

Species : Rat

Animal No.	RBC $10^4/\mu L$	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet $10^4/\mu L$	WBC $10^2/\mu L$	Neutrophil $10^2/\mu L$	Lymphocyte $10^2/\mu L$
10201	888	15.4	43.1	48.5	17.3	35.7	3.16	111.2	111.2	23.4	81.7
10202	876	15.4	43.5	49.7	17.6	35.4	2.92	106.3	75.9	19.5	53.2
10205	880	15.5	43.4	49.3	17.6	35.7	2.52	108.3	49.7	10.2	37.5
10206	823	15.4	43.5	52.9	18.7	35.4	2.97	96.9	41.7	9.7	30.0
10208	874	15.9	44.9	51.4	18.2	35.4	3.64	94.4	102.2	25.8	71.6
n	5	5	5	5	5	5	5	5	5	5	5
Mean	868.2	15.52	43.68	50.36	17.88	35.52	3.042	103.42	76.14	17.72	54.80
S.D.	25.8	0.22	0.70	1.77	0.56	0.16	0.407	7.36	30.80	7.44	21.92

Animal No.	Monocyte $10^2/\mu L$	Eosinophil $10^2/\mu L$	Basophil $10^2/\mu L$	PT sec	APTT sec
10201	4.8	1.2	0.1	17.7	20.2
10202	2.2	1.0	0.0	25.5	22.6
10205	1.3	0.7	0.0	20.1	22.1
10206	1.5	0.5	0.0	17.0	18.7
10208	4.1	0.6	0.1	17.5	19.4
n	5	5	5	5	5
Mean	2.78	0.80	0.04	19.56	20.60
S.D.	1.58	0.29	0.05	3.53	1.69

Hematological findings
Sex : Male

Stage : Day 29
Dose : 2-Methylpentane 300 mg/kg

Species : Rat

Animal No.	RBC $10^4/\mu L$	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet $10^4/\mu L$	WBC $10^2/\mu L$	Neutrophil $10^2/\mu L$	Lymphocyte $10^2/\mu L$
10302	899	15.9	43.8	48.7	17.7	36.3	3.16	107.2	60.8	15.5	42.8
10304	871	15.1	42.8	49.1	17.3	35.3	2.68	108.0	63.5	11.6	49.0
10306	849	15.2	43.1	50.8	17.9	35.3	3.09	92.5	80.8	19.9	56.3
10307	864	14.8	41.5	48.0	17.1	35.7	2.99	118.3	103.2	22.7	75.9
10308	871	16.5	47.6	54.6	18.9	34.7	3.76	103.9	154.4	25.6	123.9
n	5	5	5	5	5	5	5	5	5	5	5
Mean	870.8	15.50	43.76	50.24	17.78	35.46	3.136	105.98	92.54	19.06	69.58
S.D.	18.1	0.69	2.30	2.65	0.70	0.59	0.394	9.27	38.50	5.59	32.82

Animal No.	Monocyte $10^2/\mu L$	Eosinophil $10^2/\mu L$	Basophil $10^2/\mu L$	PT sec	APTT sec
10302	2.0	0.5	0.0	25.5	19.5
10304	2.0	0.8	0.1	19.4	18.4
10306	3.8	0.8	0.0	15.8	15.6
10307	3.5	1.1	0.0	17.8	18.4
10308	3.2	1.7	0.0	16.7	18.9
n	5	5	5	5	5
Mean	2.90	0.98	0.02	19.04	18.16
S.D.	0.85	0.45	0.04	3.85	1.50

Hematological findings
Sex : Male

Stage : Day 29
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	RBC 10^4/μL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10^4/μL	WBC 10^2/μL	Neutrophil 10^2/μL	Lymphocyte 10^2/μL
10401	898	15.5	43.6	48.6	17.3	35.6	3.11	131.5	86.5	17.6	65.5
10403	827	15.2	44.3	53.6	18.4	34.3	3.07	125.7	165.2	28.0	130.6
10405	865	15.5	44.2	51.1	17.9	35.1	4.05	100.0	151.9	16.7	130.9
10409	861	15.3	43.2	50.2	17.8	35.4	3.52	127.5	96.7	32.0	59.9
10410	865	15.8	44.6	51.6	18.3	35.4	3.12	132.6	64.3	13.4	49.1
n	5	5	5	5	5	5	5	5	5	5	5
Mean	863.2	15.46	43.98	51.02	17.94	35.16	3.374	123.46	112.92	21.54	87.20
S.D.	25.2	0.23	0.57	1.84	0.44	0.51	0.420	13.42	43.52	8.01	40.19

Animal No.	Monocyte 10^2/μL	Eosinophil 10^2/μL	Basophil 10^2/μL	PT sec	APTT sec
10401	2.8	0.5	0.1	15.0	17.0
10403	5.1	1.4	0.1	24.3	24.9
10405	3.3	0.9	0.1	15.7	18.8
10409	3.7	1.1	0.0	14.6	13.3
10410	1.6	0.2	0.0	19.5	21.6
n	5	5	5	5	5
Mean	3.30	0.82	0.06	17.82	19.12
S.D.	1.28	0.48	0.05	4.11	4.42

Hematological findings
Sex : Female

Stage : Day 5 after delivery
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

Animal No.	RBC $10^4/\mu L$	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet $10^4/\mu L$	WBC $10^2/\mu L$	Neutrophil $10^2/\mu L$	Lymphocyte $10^2/\mu L$
50151	719	13.8	40.2	55.9	19.2	34.3	7.57	105.5	55.4	16.4	33.4
50153	677	13.4	40.4	59.7	19.8	33.2	12.71	103.5	122.4	31.2	84.2
50154	792	14.2	41.3	52.1	17.9	34.4	7.33	117.0	64.4	14.6	45.5
50158	728	14.0	40.1	55.1	19.2	34.9	6.62	128.6	102.4	23.0	75.5
50160	691	13.6	39.2	56.7	19.7	34.7	8.16	132.5	63.7	13.5	45.8
n	5	5	5	5	5	5	5	5	5	5	5
Mean	721.4	13.80	40.24	55.90	19.16	34.30	8.478	117.42	81.66	19.74	56.88
S.D.	44.5	0.32	0.75	2.75	0.76	0.66	2.429	13.12	29.15	7.39	21.78

Animal No.	Monocyte $10^2/\mu L$	Eosinophil $10^2/\mu L$	Basophil $10^2/\mu L$	PT sec	APTT sec
50151	5.0	0.6	0.0	15.5	13.7
50153	5.8	1.1	0.1	16.4	13.0
50154	3.9	0.4	0.0	14.6	13.3
50158	2.9	1.0	0.0	16.6	13.0
50160	3.6	0.8	0.0	15.8	12.4
n	5	5	5	5	5
Mean	4.24	0.78	0.02	15.78	13.08
S.D.	1.15	0.29	0.04	0.79	0.48

Hematological findings
Sex : Female

Stage : Day 5 after delivery
Dose : 2-Methylpentane 100 mg/kg

Species : Rat

Animal No.	RBC $10^4/\mu L$	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet $10^4/\mu L$	WBC $10^2/\mu L$	Neutrophil $10^2/\mu L$	Lymphocyte $10^2/\mu L$
50252	730	13.9	40.4	55.3	19.0	34.4	7.46	111.9	130.8	39.7	85.5
50256	690	13.3	38.3	55.5	19.3	34.7	7.98	115.9	99.6	28.0	66.4
50257	689	12.8	37.1	53.8	18.6	34.5	7.31	120.1	81.8	18.9	58.7
50258	681	13.6	39.7	58.3	20.0	34.3	9.83	114.1	71.9	25.6	45.4
50262	717	13.2	37.9	52.9	18.4	34.8	6.25	118.2	88.2	37.8	47.3
n	5	5	5	5	5	5	5	5	5	5	5
Mean	701.4	13.36	38.68	55.16	19.06	34.54	7.766	116.04	94.46	30.00	60.66
S.D.	21.0	0.42	1.35	2.06	0.63	0.21	1.314	3.24	22.67	8.68	16.32

Animal No.	Monocyte $10^2/\mu L$	Eosinophil $10^2/\mu L$	Basophil $10^2/\mu L$	PT sec	APTT sec
50252	4.7	0.8	0.1	16.0	13.5
50256	4.7	0.5	0.0	16.2	11.0
50257	2.9	1.3	0.0	15.9	12.5
50258	0.8	0.1	0.0	15.6	12.1
50262	2.8	0.3	0.0	16.5	13.1
n	5	5	5	5	5
Mean	3.18	0.60	0.02	16.04	12.44
S.D.	1.62	0.47	0.04	0.34	0.97

Hematological findings
Sex : Female

Stage : Day 5 after delivery
Dose : 2-Methylpentane 300 mg/kg

Species : Rat

Animal No.	RBC $10^4/\mu L$	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet $10^4/\mu L$	WBC $10^2/\mu L$	Neutrophil $10^2/\mu L$	Lymphocyte $10^2/\mu L$
50351	638	12.8	38.5	60.3	20.1	33.2	16.53	139.8	117.6	46.2	66.3
50355	768	13.9	41.1	53.5	18.1	33.8	6.16	115.4	66.1	18.3	44.3
50357	741	14.0	39.7	53.6	18.9	35.3	7.38	102.2	161.4	73.3	80.5
50358	749	13.5	39.3	52.5	18.0	34.4	5.99	99.5	122.5	57.1	59.5
50359	722	13.7	39.4	54.6	19.0	34.8	7.43	121.1	77.1	20.3	53.7
n	5	5	5	5	5	5	5	5	5	5	5
Mean	723.6	13.58	39.60	54.90	18.82	34.30	8.698	115.60	108.94	43.04	60.86
S.D.	50.6	0.48	0.95	3.11	0.85	0.82	4.429	16.24	38.28	23.73	13.63

Animal No.	Monocyte $10^2/\mu L$	Eosinophil $10^2/\mu L$	Basophil $10^2/\mu L$	PT sec	APTT sec
50351	4.8	0.3	0.0	15.8	12.7
50355	3.1	0.4	0.0	16.3	13.0
50357	6.7	0.9	0.0	16.0	13.2
50358	5.4	0.5	0.0	15.2	12.5
50359	2.9	0.2	0.0	15.5	12.8
n	5	5	5	5	5
Mean	4.58	0.46	0.00	15.76	12.84
S.D.	1.60	0.27	0.00	0.43	0.27

Hematological findings
Sex : Female

Stage : Day 5 after delivery
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	RBC $10^4/\mu L$	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet $10^4/\mu L$	WBC $10^2/\mu L$	Neutrophil $10^2/\mu L$	Lymphocyte $10^2/\mu L$
50451	716	13.1	38.2	53.4	18.3	34.3	6.15	125.9	52.0	14.8	34.6
50452	743	14.5	41.9	56.4	19.5	34.6	10.87	107.5	132.6	53.8	71.8
50453	639	12.9	38.5	60.3	20.2	33.5	11.05	116.9	77.4	24.5	49.4
50454	656	12.8	37.9	57.8	19.5	33.8	10.79	141.7	74.3	24.5	45.4
50460	701	13.8	40.1	57.2	19.7	34.4	8.18	117.2	78.2	19.7	53.9
n	5	5	5	5	5	5	5	5	5	5	5
Mean	691.0	13.42	39.32	57.02	19.44	34.12	9.408	121.84	82.90	27.46	51.02
S.D.	42.9	0.72	1.67	2.49	0.70	0.45	2.172	12.87	29.80	15.26	13.64

Animal No.	Monocyte $10^2/\mu L$	Eosinophil $10^2/\mu L$	Basophil $10^2/\mu L$	PT sec	APTT sec
50451	2.0	0.6	0.0	14.1	12.0
50452	5.9	1.0	0.1	15.1	10.8
50453	3.0	0.5	0.0	17.1	13.2
50454	3.8	0.5	0.1	15.8	13.1
50460	4.1	0.5	0.0	14.9	11.6
n	5	5	5	5	5
Mean	3.76	0.62	0.04	15.40	12.14
S.D.	1.45	0.22	0.05	1.13	1.02

Hematological findings Stage : Day 29
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	RBC 10^4/μL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10^4/μL	WBC 10^2/μL	Neutrophil 10^2/μL	Lymphocyte 10^2/μL
50551	762	14.7	41.8	54.9	19.3	35.2	2.46	102.4	35.3	3.6	30.7
50552	796	15.0	42.4	53.3	18.8	35.4	2.98	103.5	99.8	12.7	83.0
50553	886	15.7	43.8	49.4	17.7	35.8	3.52	90.2	84.5	6.9	75.2
50554	786	14.3	40.5	51.5	18.2	35.3	3.25	106.0	84.4	13.0	67.7
50555	829	14.6	40.7	49.1	17.6	35.9	3.81	102.3	61.1	5.4	53.1
n	5	5	5	5	5	5	5	5	5	5	5
Mean	811.8	14.86	41.84	51.64	18.32	35.52	3.204	100.88	73.02	8.32	61.94
S.D.	47.9	0.53	1.35	2.49	0.73	0.31	0.518	6.15	25.22	4.30	20.66

Animal No.	Monocyte 10^2/μL	Eosinophil 10^2/μL	Basophil 10^2/μL	PT sec	APTT sec
50551	0.4	0.6	0.0	15.0	12.0
50552	2.5	1.5	0.1	14.7	13.9
50553	1.5	0.9	0.0	15.4	10.7
50554	2.7	1.0	0.0	14.1	12.3
50555	2.1	0.5	0.0	15.3	12.4
n	5	5	5	5	5
Mean	1.84	0.90	0.02	14.90	12.26
S.D.	0.93	0.39	0.04	0.52	1.14

Hematological findings Stage : Day 29
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	RBC 10^4/μL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10^4/μL	WBC 10^2/μL	Neutrophil 10^2/μL	Lymphocyte 10^2/μL
50651	846	14.9	42.4	50.1	17.6	35.1	3.11	105.7	26.3	3.9	21.1
50652	854	14.9	42.0	49.2	17.4	35.5	2.67	105.3	51.1	8.1	40.2
50653	800	15.1	43.6	54.5	18.9	34.6	3.59	102.1	79.5	9.8	67.1
50654	814	15.7	44.5	54.7	19.3	35.3	4.07	94.4	55.7	9.1	44.9
50655	799	14.7	41.3	51.7	18.4	35.6	2.98	122.0	60.6	7.3	51.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	822.6	15.06	42.76	52.04	18.32	35.22	3.284	105.90	54.64	7.64	44.90
S.D.	25.9	0.38	1.28	2.50	0.82	0.40	0.550	10.08	19.17	2.30	16.74

Animal No.	Monocyte 10^2/μL	Eosinophil 10^2/μL	Basophil 10^2/μL	PT sec	APTT sec
50651	0.8	0.5	0.0	14.6	14.2
50652	2.0	0.8	0.0	14.2	14.1
50653	2.0	0.6	0.0	15.5	15.4
50654	1.1	0.6	0.0	15.2	15.7
50655	1.5	0.6	0.0	13.8	15.2
n	5	5	5	5	5
Mean	1.48	0.62	0.00	14.66	14.92
S.D.	0.54	0.11	0.00	0.70	0.73

Hematological findings
Sex : Male

Stage : Recovery Day 15
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

Animal No.	RBC 10^4/μL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10^4/μL	WBC 10^2/μL	Neutrophil 10^2/μL	Lymphocyte 10^2/μL
10102	818	14.9	41.4	50.6	18.2	36.0	4.25	108.8	57.5	13.7	40.8
10105	817	14.9	43.1	52.8	18.2	34.6	3.71	105.7	65.0	20.5	40.0
10109	976	16.6	46.7	47.8	17.0	35.5	2.44	94.3	73.4	11.5	58.0
10110	851	14.7	41.4	48.6	17.3	35.5	2.83	94.4	37.6	7.6	27.4
10112	880	15.9	45.3	51.5	18.1	35.1	2.96	93.5	50.7	7.2	40.6
n	5	5	5	5	5	5	5	5	5	5	5
Mean	868.4	15.40	43.58	50.26	17.76	35.34	3.238	99.34	56.84	12.10	41.36
S.D.	65.6	0.82	2.37	2.06	0.57	0.52	0.729	7.31	13.69	5.43	10.89

Animal No.	Monocyte 10^2/μL	Eosinophil 10^2/μL	Basophil 10^2/μL	PT sec	APTT sec
10102	2.1	0.9	0.0	15.8	14.3
10105	3.7	0.8	0.0	20.3	18.0
10109	3.0	0.9	0.0	31.3	20.9
10110	2.0	0.6	0.0	18.6	17.4
10112	2.0	0.9	0.0	20.4	20.7
n	5	5	5	5	5
Mean	2.56	0.82	0.00	21.28	18.26
S.D.	0.76	0.13	0.00	5.90	2.71

Hematological findings
Sex : Male

Stage : Recovery Day 15
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	RBC 10^4/μL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10^4/μL	WBC 10^2/μL	Neutrophil 10^2/μL	Lymphocyte 10^2/μL
10402	808	14.6	40.2	49.8	18.1	36.3	3.27	119.2	79.9	16.5	58.1
10404	863	15.3	42.1	48.8	17.7	36.3	3.27	134.3	52.2	8.7	40.2
10406	872	15.5	42.6	48.9	17.8	36.4	2.76	116.1	85.8	12.0	68.4
10407	888	15.2	42.4	47.7	17.1	35.8	2.92	112.5	52.2	11.3	35.4
10412	871	15.5	43.8	50.3	17.8	35.4	2.83	114.6	107.7	18.5	83.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	860.4	15.22	42.22	49.10	17.70	36.04	3.010	119.34	75.56	13.40	57.06
S.D.	30.7	0.37	1.30	1.00	0.37	0.43	0.244	8.71	23.71	4.00	19.79

Animal No.	Monocyte 10^2/μL	Eosinophil 10^2/μL	Basophil 10^2/μL	PT sec	APTT sec
10402	4.1	1.1	0.1	17.5	12.5
10404	2.5	0.8	0.0	27.0	20.1
10406	3.8	1.5	0.1	21.0	17.7
10407	3.7	1.8	0.0	19.5	21.1
10412	4.4	1.6	0.0	18.9	17.6
n	5	5	5	5	5
Mean	3.70	1.36	0.04	20.78	17.80
S.D.	0.72	0.40	0.05	3.70	3.33

Hematological findings
Sex : Female (satellite)

Stage : Recovery Day 15
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

Animal No.	RBC 10^4/μL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10^4/μL	WBC 10^2/μL	Neutrophil 10^2/μL	Lymphocyte 10^2/μL
50556	800	14.8	42.5	53.1	18.5	34.8	2.92	106.9	77.8	4.9	70.1
50557	742	14.6	41.5	55.9	19.7	35.2	2.79	93.2	40.4	6.6	31.5
50558	830	14.6	40.6	48.9	17.6	36.0	3.78	101.2	30.5	8.1	21.0
50559	809	14.2	40.0	49.4	17.6	35.5	2.27	112.4	39.5	5.3	32.0
50560	781	14.3	41.2	52.8	18.3	34.7	3.80	104.6	35.9	3.7	30.7
n	5	5	5	5	5	5	5	5	5	5	5
Mean	792.4	14.50	41.16	52.02	18.34	35.24	3.112	103.66	44.82	5.72	37.06
S.D.	33.2	0.24	0.94	2.89	0.86	0.53	0.665	7.13	18.84	1.69	19.02

Animal No.	Monocyte 10^2/μL	Eosinophil 10^2/μL	Basophil 10^2/μL	PT sec	APTT sec
50556	1.7	1.1	0.0	15.7	14.1
50557	1.4	0.9	0.0	14.6	14.4
50558	0.8	0.6	0.0	16.2	9.6
50559	1.7	0.5	0.0	14.5	12.6
50560	0.9	0.6	0.0	15.6	12.2
n	5	5	5	5	5
Mean	1.30	0.74	0.00	15.32	12.58
S.D.	0.43	0.25	0.00	0.74	1.91

Hematological findings
Sex : Female (satellite)

Stage : Recovery Day 15
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	RBC 10^4/μL	HGB g/dL	HCT %	MCV fL	MCH pg	MCHC g/dL	Reticulocyte %	Platelet 10^4/μL	WBC 10^2/μL	Neutrophil 10^2/μL	Lymphocyte 10^2/μL
50656	801	14.4	40.1	50.1	18.0	35.9	3.01	124.2	59.2	6.7	49.9
50657	821	14.7	40.9	49.8	17.9	35.9	2.33	108.2	42.1	7.8	30.8
50658	794	14.7	40.7	51.3	18.5	36.1	2.52	83.7	40.0	4.7	32.5
50659	811	14.5	40.6	50.1	17.9	35.7	2.17	110.9	62.1	8.8	49.7
50660	816	15.3	42.8	52.5	18.8	35.7	2.67	105.0	58.6	5.2	50.4
n	5	5	5	5	5	5	5	5	5	5	5
Mean	808.6	14.72	41.02	50.76	18.22	35.86	2.540	106.40	52.40	6.64	42.66
S.D.	11.0	0.35	1.04	1.13	0.41	0.17	0.324	14.64	10.47	1.72	10.07

Animal No.	Monocyte 10^2/μL	Eosinophil 10^2/μL	Basophil 10^2/μL	PT sec	APTT sec
50656	1.8	0.8	0.0	15.1	12.6
50657	3.2	0.3	0.0	16.3	13.6
50658	1.8	1.0	0.0	14.6	11.2
50659	2.0	1.6	0.0	16.1	14.6
50660	2.0	1.0	0.0	15.0	11.7
n	5	5	5	5	5
Mean	2.16	0.94	0.00	15.42	12.74
S.D.	0.59	0.47	0.00	0.74	1.38

Biochemical findings Stage : Day 29
Sex : Male Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
10101	54	23	397	0.6	0.06	15.7	157	60	19	5.5	11.9
10103	59	29	442	0.2	0.07	8.3	173	55	45	5.6	9.9
10104	64	26	386	0.5	0.06	9.0	162	52	21	5.5	11.8
10106	64	23	429	0.4	0.05	8.8	140	51	14	5.3	11.3
10107	56	23	261	0.3	0.05	5.4	136	64	14	5.6	9.3
n	5	5	5	5	5	5	5	5	5	5	5
Mean	59.4	24.8	383.0	0.40	0.058	9.44	153.6	56.4	22.6	5.50	10.84
S.D.	4.6	2.7	71.9	0.16	0.008	3.79	15.4	5.5	12.9	0.12	1.17

Animal No.	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G %	α2-G %
10101	0.35	144	4.71	105	9.6	6.2	1.03	2.79	50.8	21.6	9.3
10103	0.31	144	4.76	104	9.3	6.3	0.93	2.70	48.3	22.0	9.1
10104	0.33	144	4.46	104	9.3	5.9	0.86	2.54	46.1	25.3	8.2
10106	0.31	145	4.71	107	9.5	7.7	0.95	2.58	48.7	20.4	10.6
10107	0.29	145	4.52	105	9.3	6.4	0.88	2.63	46.9	21.2	9.7
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.318	144.4	4.632	105.0	9.40	6.50	0.930	2.648	48.16	22.10	9.38
S.D.	0.023	0.5	0.133	1.2	0.14	0.70	0.067	0.099	1.81	1.88	0.88

Animal No.	β-G %	γ-G %
10101	15.8	2.5
10103	17.2	3.4
10104	17.2	3.2
10106	15.2	5.1
10107	16.3	5.9
n	5	5
Mean	16.34	4.02
S.D.	0.88	1.42

Biochemical findings Stage : Day 29
Sex : Male Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
10201	65	35	553	0.6	0.06	14.1	170	53	23	5.3	8.9
10202	62	25	861	0.1	0.04	5.6	166	58	22	5.1	8.7
10205	70	24	528	0.7	0.05	10.9	149	42	10	5.4	9.2
10206	54	21	469	0.1	0.07	4.8	163	49	16	5.4	8.6
10208	61	28	420	0.8	0.07	9.5	141	56	20	5.1	9.1
n	5	5	5	5	5	5	5	5	5	5	5
Mean	62.4	26.6	566.2	0.46	0.058	8.98	157.8	51.6	18.2	5.26	8.90
S.D.	5.9	5.3	172.7	0.34	0.013	3.84	12.3	6.3	5.3	0.15	0.25

Animal No.	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G %	α2-G %
10201	0.34	145	4.13	104	9.5	6.4	1.02	2.68	50.6	23.1	9.1
10202	0.30	145	4.77	107	8.8	6.0	1.15	2.72	53.4	17.3	10.3
10205	0.32	145	4.51	106	8.8	5.7	1.12	2.86	52.9	18.6	9.3
10206	0.31	145	4.65	104	9.3	6.0	1.05	2.76	51.1	21.8	9.9
10208	0.33	145	4.67	104	9.4	7.6	0.97	2.51	49.3	21.8	9.9
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.320	145.0	4.546	105.0	9.16	6.34	1.062	2.706	51.46	20.52	9.70
S.D.	0.016	0.0	0.250	1.4	0.34	0.75	0.073	0.128	1.69	2.45	0.49

Animal No.	β-G %	γ-G %
10201	14.8	2.4
10202	14.7	4.3
10205	14.9	4.3
10206	14.4	2.8
10208	15.5	3.5
n	5	5
Mean	14.86	3.46
S.D.	0.40	0.86

Biochemical findings Stage : Day 29
Sex : Male Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
10302	63	25	434	0.4	0.07	9.5	163	46	17	5.2	7.4
10304	65	21	471	0.4	0.04	8.9	141	54	23	5.4	9.6
10306	105	38	465	0.7	0.05	16.3	180	93	38	5.5	7.9
10307	59	29	595	0.3	0.05	10.2	151	53	48	5.5	10.4
10308	52	26	528	0.9	0.06	4.5	132	54	25	5.4	8.1
n	5	5	5	5	5	5	5	5	5	5	5
Mean	68.8	27.8	498.6	0.54	0.054	9.88	153.4	60.0	30.2	5.40	8.68
S.D.	20.8	6.4	63.7	0.25	0.011	4.22	18.8	18.7	12.6	0.12	1.26

Animal No.	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G %	α2-G %
10302	0.32	146	4.59	107	9.1	5.7	1.14	2.77	53.2	18.5	9.4
10304	0.34	144	4.89	104	9.2	6.4	0.88	2.53	46.9	23.7	8.8
10306	0.29	145	4.53	105	9.7	5.9	1.05	2.82	51.3	16.5	9.6
10307	0.30	145	4.83	104	9.7	6.7	0.90	2.61	47.5	20.6	10.4
10308	0.25	144	4.86	105	9.7	7.1	1.16	2.89	53.6	18.4	8.6
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.300	144.8	4.740	105.0	9.48	6.36	1.026	2.724	50.50	19.54	9.36
S.D.	0.034	0.8	0.167	1.2	0.30	0.57	0.131	0.150	3.14	2.74	0.71

Animal No.	β-G %	γ-G %
10302	15.1	3.8
10304	16.4	4.2
10306	18.6	4.0
10307	15.9	5.6
10308	15.2	4.2
n	5	5
Mean	16.24	4.36
S.D.	1.42	0.71

Biochemical findings Stage : Day 29
Sex : Male Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
10401	65	28	285	0.4	0.05	14.7	160	64	26	6.1	11.7
10403	59	23	340	0.4	0.05	7.2	148	63	20	5.6	14.9
10405	78	30	360	0.5	0.05	15.9	155	58	19	5.7	11.2
10409	94	34	826	0.7	0.07	29.2	140	67	9	5.5	9.6
10410	78	33	415	0.5	0.08	18.8	187	69	13	5.4	11.5
n	5	5	5	5	5	5	5	5	5	5	5
Mean	74.8	29.6	445.2	0.50	0.060	17.16	158.0	64.2	17.4	5.66	11.78
S.D.	13.6	4.4	217.9	0.12	0.014	7.98	17.9	4.2	6.6	0.27	1.93

Animal No.	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G %	α2-G %
10401	0.27	146	4.57	103	9.8	6.4	0.89	2.87	47.0	21.6	9.6
10403	0.36	144	4.56	104	9.5	6.3	0.81	2.51	44.8	22.8	11.1
10405	0.27	145	4.67	104	9.7	8.0	0.96	2.80	49.1	21.6	9.1
10409	0.33	144	4.85	105	9.3	6.4	1.05	2.82	51.2	16.1	10.4
10410	0.32	144	5.00	105	9.2	6.0	0.90	2.56	47.4	21.1	10.1
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.310	144.6	4.730	104.2	9.50	6.62	0.922	2.712	47.90	20.64	10.06
S.D.	0.039	0.9	0.191	0.8	0.25	0.79	0.089	0.165	2.40	2.61	0.76

Animal No.	β-G %	γ-G %
10401	17.3	4.5
10403	16.6	4.7
10405	16.5	3.7
10409	18.0	4.3
10410	17.8	3.6
n	5	5
Mean	17.24	4.16
S.D.	0.68	0.49

Biochemical findings
Sex : Female

Stage : Day 5 after delivery
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
50151	64	36	194	0.3	0.06	23.7	137	72	47	5.4	11.6
50153	166	73	223	0.8	0.06	47.2	144	78	43	5.5	11.7
50154	74	33	177	0.1	0.05	7.1	155	47	20	5.5	12.2
50158	57	34	206	0.3	0.04	10.2	127	50	55	5.5	10.9
50160	60	30	206	0.3	0.05	11.7	143	74	20	5.4	11.0
n	5	5	5	5	5	5	5	5	5	5	5
Mean	84.2	41.2	201.2	0.36	0.052	19.98	141.2	64.2	37.0	5.46	11.48
S.D.	46.2	17.9	17.0	0.26	0.008	16.47	10.3	14.5	16.1	0.05	0.54

Animal No.	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G %	α2-G %
50151	0.32	145	4.47	105	10.2	6.8	1.04	2.75	51.0	20.0	9.5
50153	0.26	139	4.75	100	9.9	7.4	0.95	2.67	48.6	18.0	12.1
50154	0.31	142	4.52	105	9.6	7.2	1.06	2.83	51.4	16.7	10.3
50158	0.31	142	4.70	104	10.0	7.4	0.96	2.69	48.9	20.5	10.4
50160	0.32	143	4.79	105	10.2	6.8	1.06	2.78	51.5	17.8	10.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.304	142.2	4.646	103.8	9.98	7.12	1.014	2.744	50.28	18.60	10.50
S.D.	0.025	2.2	0.143	2.2	0.25	0.30	0.055	0.065	1.41	1.60	0.96

Animal No.	β-G %	γ-G %
50151	15.3	4.2
50153	18.7	2.6
50154	17.3	4.3
50158	16.1	4.1
50160	16.2	4.3
n	5	5
Mean	16.72	3.90
S.D.	1.32	0.73

Biochemical findings
Sex : Female

Stage : Day 5 after delivery
Dose : 2-Methylpentane 100 mg/kg

Species : Rat

Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
50252	101	45	213	0.4	0.05	22.0	119	52	26	5.5	12.3
50256	83	35	192	0.4	0.05	18.5	143	55	35	5.5	8.9
50257	126	73	248	0.2	0.05	11.0	131	78	39	6.0	17.5
50258	109	62	505	0.5	0.04	16.5	130	74	48	5.3	16.3
50262	69	37	189	0.1	0.04	7.4	128	58	61	5.7	11.6
n	5	5	5	5	5	5	5	5	5	5	5
Mean	97.6	50.4	269.4	0.32	0.046	15.08	130.2	63.4	41.8	5.60	13.32
S.D.	22.2	16.5	133.8	0.16	0.005	5.86	8.6	11.8	13.3	0.26	3.53

Animal No.	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G %	α2-G %
50252	0.30	143	4.42	104	9.9	7.7	1.01	2.77	50.3	17.8	10.3
50256	0.30	140	4.77	101	9.8	7.0	0.94	2.66	48.4	18.5	11.1
50257	0.34	142	4.28	102	10.2	7.4	0.92	2.88	48.0	19.8	12.3
50258	0.36	143	4.46	103	10.1	8.5	1.00	2.65	50.0	17.0	13.1
50262	0.32	144	4.62	104	10.6	8.2	0.93	2.75	48.2	19.2	12.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.324	142.4	4.510	102.8	10.12	7.76	0.960	2.742	48.98	18.46	11.80
S.D.	0.026	1.5	0.189	1.3	0.31	0.60	0.042	0.094	1.08	1.11	1.10

Animal No.	β-G %	γ-G %
50252	16.6	5.0
50256	16.5	5.5
50257	16.8	3.1
50258	17.7	2.2
50262	16.7	3.7
n	5	5
Mean	16.86	3.90
S.D.	0.48	1.35

Biochemical findings
Sex : Female

Stage : Day 5 after delivery
Dose : 2-Methylpentane 300 mg/kg

Species : Rat

Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
50351	72	43	176	0.5	0.05	29.9	163	74	32	5.5	13.3
50355	92	44	378	0.5	0.07	38.4	137	67	43	5.8	14.9
50357	148	71	289	3.5	0.06	12.0	146	72	51	5.6	8.3
50358	310	69	178	0.3	0.05	12.4	142	60	20	5.9	11.9
50359	53	24	160	0.0	0.03	7.3	150	71	60	5.8	12.0
n	5	5	5	5	5	5	5	5	5	5	5
Mean	135.0	50.2	236.2	0.96	0.052	20.00	147.6	68.8	41.2	5.72	12.08
S.D.	104.1	19.8	94.5	1.43	0.015	13.41	9.9	5.5	15.7	0.16	2.44

Animal No.	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G %	α2-G %
50351	0.33	141	4.77	100	9.7	8.7	0.83	2.50	45.4	19.5	11.4
50355	0.33	143	4.54	106	10.0	6.8	0.97	2.86	49.3	19.6	9.9
50357	0.30	142	4.57	103	10.0	8.4	0.98	2.78	49.6	18.5	11.1
50358	0.37	142	4.69	103	10.0	8.4	1.02	2.98	50.5	20.4	10.2
50359	0.31	144	4.72	105	10.3	6.9	0.94	2.81	48.4	21.1	9.8
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.328	142.4	4.658	103.4	10.00	7.84	0.948	2.786	48.64	19.82	10.48
S.D.	0.027	1.1	0.099	2.3	0.21	0.91	0.072	0.177	1.96	0.98	0.73

Animal No.	β-G %	γ-G %
50351	17.9	5.8
50355	17.3	3.9
50357	16.8	4.0
50358	15.6	3.3
50359	16.2	4.5
n	5	5
Mean	16.76	4.30
S.D.	0.90	0.94

Biochemical findings
Sex : Female

Stage : Day 5 after delivery
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
50451	83	30	153	0.7	0.03	7.0	157	74	22	5.7	8.8
50452	76	43	400	0.7	0.07	14.4	147	70	83	5.1	11.9
50453	85	47	212	0.5	0.06	12.3	132	67	110	5.8	14.9
50454	71	43	194	0.3	0.04	19.7	124	71	41	5.9	14.3
50460	94	36	140	0.0	0.06	17.2	156	73	49	6.0	14.3
n	5	5	5	5	5	5	5	5	5	5	5
Mean	81.8	39.8	219.8	0.44	0.052	14.12	143.2	71.0	61.0	5.70	12.84
S.D.	8.8	6.8	104.9	0.30	0.016	4.87	14.7	2.7	35.2	0.35	2.54

Animal No.	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G %	α2-G %
50451	0.32	141	4.81	103	9.7	6.2	0.91	2.71	47.6	18.3	10.2
50452	0.31	141	4.70	103	10.1	7.8	1.15	2.73	53.5	14.9	12.5
50453	0.32	143	4.77	104	10.3	7.6	0.95	2.83	48.8	19.6	11.6
50454	0.33	143	4.92	102	10.8	8.1	0.98	2.93	49.6	19.7	10.9
50460	0.28	145	4.50	102	10.9	9.2	1.10	3.14	52.3	17.8	10.7
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.312	142.6	4.740	102.8	10.36	7.78	1.018	2.868	50.36	18.06	11.18
S.D.	0.019	1.7	0.156	0.8	0.50	1.08	0.102	0.176	2.46	1.95	0.89

Animal No.	β-G %	γ-G %
50451	17.9	6.0
50452	16.7	2.4
50453	17.1	2.9
50454	16.8	3.0
50460	15.8	3.4
n	5	5
Mean	16.86	3.54
S.D.	0.76	1.42

Biochemical findings Stage : Day 29
Sex : Female (satellite) Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
50551	57	18	212	0.6	0.05	7.2	140	39	5	5.6	11.2
50552	58	25	213	0.6	0.06	8.5	133	58	10	5.7	14.4
50553	55	27	257	0.7	0.10	9.1	151	56	11	5.9	13.5
50554	59	23	198	0.7	0.07	15.3	159	67	18	5.6	11.4
50555	59	23	404	0.5	0.10	30.6	142	51	13	5.4	13.2
n	5	5	5	5	5	5	5	5	5	5	5
Mean	57.6	23.2	256.8	0.62	0.076	14.14	145.0	54.2	11.4	5.64	12.74
S.D.	1.7	3.3	85.2	0.08	0.023	9.72	10.1	10.3	4.7	0.18	1.39

Animal No.	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G %	α2-G %
50551	0.36	143	4.43	105	9.2	5.8	1.19	3.05	54.4	15.5	8.4
50552	0.38	145	3.91	106	9.7	6.9	1.28	3.20	56.2	19.6	7.5
50553	0.32	143	4.44	105	9.8	6.4	1.30	3.34	56.6	14.5	7.7
50554	0.32	142	4.89	104	9.8	6.3	1.37	3.24	57.8	15.8	7.4
50555	0.33	144	4.35	105	9.6	6.4	1.42	3.16	58.6	14.0	8.1
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.342	143.4	4.404	105.0	9.62	6.36	1.312	3.198	56.72	15.88	7.82
S.D.	0.027	1.1	0.348	0.7	0.25	0.39	0.088	0.106	1.61	2.20	0.42

Animal No.	β-G %	γ-G %
50551	15.5	6.2
50552	13.4	3.3
50553	15.5	5.7
50554	14.4	4.6
50555	15.1	4.2
n	5	5
Mean	14.78	4.80
S.D.	0.89	1.16

Biochemical findings Stage : Day 29
Sex : Female (satellite) Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
50651	60	22	230	1.5	0.04	6.6	170	50	8	5.6	10.4
50652	58	20	185	0.8	0.04	6.3	122	55	10	5.6	9.9
50653	49	20	137	0.6	0.08	21.4	153	63	6	6.1	12.9
50654	69	25	239	0.9	0.05	19.9	143	42	5	5.4	11.1
50655	49	18	241	0.9	0.05	8.5	149	50	8	5.5	10.6
n	5	5	5	5	5	5	5	5	5	5	5
Mean	57.0	21.0	206.4	0.94	0.052	12.54	147.4	52.0	7.4	5.64	10.98
S.D.	8.4	2.6	45.0	0.34	0.016	7.47	17.4	7.7	1.9	0.27	1.16

Animal No.	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G %	α2-G %
50651	0.30	145	4.11	107	9.3	6.0	1.34	3.21	57.3	15.1	8.9
50652	0.34	145	4.41	106	9.6	5.9	1.03	2.84	50.8	20.3	7.6
50653	0.34	144	3.83	105	9.6	5.4	1.37	3.53	57.8	15.2	7.7
50654	0.32	145	3.70	105	9.3	6.0	1.35	3.11	57.5	15.1	8.9
50655	0.36	144	4.29	104	9.5	7.4	1.15	2.94	53.4	18.3	9.5
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.332	144.6	4.068	105.4	9.46	6.14	1.248	3.126	55.36	16.80	8.52
S.D.	0.023	0.5	0.300	1.1	0.15	0.75	0.151	0.268	3.12	2.39	0.83

Animal No.	β-G %	γ-G %
50651	15.7	3.0
50652	15.8	5.5
50653	14.2	5.1
50654	14.2	4.3
50655	15.9	2.9
n	5	5
Mean	15.16	4.16
S.D.	0.88	1.19

Biochemical findings
Sex : Male
Stage : Recovery Day 15
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
10102	72	28	323	0.4	0.06	13.7	136	56	30	5.5	13.8
10105	69	23	256	0.4	0.04	8.3	143	94	26	5.4	12.7
10109	68	23	438	0.5	0.06	4.7	153	40	16	5.4	12.6
10110	66	30	334	0.6	0.06	6.5	150	60	15	5.7	13.3
10112	52	20	277	0.4	0.06	6.6	151	56	36	5.5	12.9
n	5	5	5	5	5	5	5	5	5	5	5
Mean	65.4	24.8	325.6	0.46	0.056	7.96	146.6	61.2	24.6	5.50	13.06
S.D.	7.8	4.1	70.6	0.09	0.009	3.45	7.0	19.9	9.0	0.12	0.49

Animal No.	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G %	α2-G %
10102	0.30	147	4.34	107	9.3	6.5	0.90	2.61	47.5	20.4	10.7
10105	0.34	147	4.52	107	9.3	6.0	0.89	2.54	47.0	21.0	10.8
10109	0.32	146	4.62	107	8.8	5.6	0.94	2.61	48.4	20.5	10.7
10110	0.32	146	4.82	106	9.5	5.6	0.79	2.52	44.2	23.1	10.5
10112	0.27	147	4.75	108	9.3	5.7	0.90	2.61	47.4	25.3	8.4
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.310	146.6	4.610	107.0	9.24	5.88	0.884	2.578	46.90	22.06	10.22
S.D.	0.026	0.5	0.190	0.7	0.26	0.38	0.056	0.044	1.59	2.11	1.02

Animal No.	β-G %	γ-G %
10102	16.9	4.5
10105	17.9	3.3
10109	14.8	5.6
10110	15.7	6.5
10112	14.3	4.6
n	5	5
Mean	15.92	4.90
S.D.	1.48	1.21

Biochemical findings
Sex : Male

Stage : Recovery Day 15
Dose : 2-Methylpentane 1000 mg/kg

Species : Rat

Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
10402	62	25	264	0.2	0.07	8.3	161	56	46	5.4	15.0
10404	58	26	331	0.4	0.05	6.4	154	53	28	5.3	15.2
10406	71	29	262	0.8	0.06	8.7	183	68	52	5.7	15.4
10407	61	32	317	0.7	0.04	20.8	136	47	27	5.5	17.2
10412	54	22	307	0.3	0.06	24.0	146	52	17	5.6	13.8
n	5	5	5	5	5	5	5	5	5	5	5
Mean	61.2	26.8	296.2	0.48	0.056	13.64	156.0	55.2	34.0	5.50	15.32
S.D.	6.3	3.8	31.5	0.26	0.011	8.12	17.7	7.9	14.5	0.16	1.22

Animal No.	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G %	α2-G %
10402	0.30	145	4.53	105	9.3	6.2	0.84	2.47	45.7	24.8	10.3
10404	0.30	146	4.97	106	9.3	6.4	0.87	2.46	46.5	24.9	9.4
10406	0.25	146	4.96	106	9.3	5.4	0.81	2.55	44.7	23.3	10.2
10407	0.32	146	4.47	104	9.4	7.0	0.81	2.47	44.9	24.9	10.4
10412	0.27	149	4.65	108	9.3	6.8	0.86	2.59	46.2	23.7	9.4
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.288	146.4	4.716	105.8	9.32	6.36	0.838	2.508	45.60	24.32	9.94
S.D.	0.028	1.5	0.236	1.5	0.04	0.62	0.028	0.058	0.79	0.76	0.50

Animal No.	β-G %	γ-G %
10402	14.8	4.4
10404	14.6	4.6
10406	15.3	6.5
10407	15.4	4.4
10412	16.6	4.1
n	5	5
Mean	15.34	4.80
S.D.	0.78	0.97

Biochemical findings
Sex : Female (satellite)
Stage : Recovery Day 15
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
50556	81	39	139	0.7	0.09	13.8	144	67	8	5.7	14.2
50557	49	17	155	0.6	0.07	5.0	121	77	8	6.2	16.3
50558	53	19	181	0.7	0.08	17.6	148	60	6	5.4	18.7
50559	71	30	181	0.7	0.08	13.5	125	52	10	6.3	18.0
50560	54	20	176	0.6	0.08	10.4	130	72	9	6.2	18.1
n	5	5	5	5	5	5	5	5	5	5	5
Mean	61.6	25.0	166.4	0.66	0.080	12.06	133.6	65.6	8.2	5.96	17.06
S.D.	13.7	9.3	18.7	0.05	0.007	4.70	11.8	9.9	1.5	0.39	1.83

Animal No.	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G %	α2-G %
50556	0.30	144	4.45	108	9.2	5.0	1.02	2.88	50.6	15.5	10.5
50557	0.33	145	4.49	106	9.9	7.0	1.14	3.30	53.3	19.6	8.5
50558	0.30	144	4.36	109	9.3	6.8	1.45	3.19	59.1	13.5	8.8
50559	0.35	143	4.27	106	10.0	6.9	1.17	3.40	54.0	16.3	9.0
50560	0.38	146	4.58	109	9.8	5.6	1.21	3.39	54.7	18.3	8.1
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.332	144.4	4.430	107.6	9.64	6.26	1.198	3.232	54.34	16.64	8.98
S.D.	0.034	1.1	0.119	1.5	0.36	0.90	0.158	0.214	3.08	2.39	0.91

Animal No.	β-G %	γ-G %
50556	16.4	7.0
50557	13.4	5.2
50558	13.8	4.8
50559	13.7	7.0
50560	13.4	5.5
n	5	5
Mean	14.14	5.90
S.D.	1.28	1.03

Biochemical findings
Sex : Female (satellite)
Stage : Recovery Day 15
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	AST IU/L	ALT IU/L	ALP IU/L	γ-GTP IU/L	T-Bil mg/dL	TBA μmol/L	Glucose mg/dL	T-Cho mg/dL	TG mg/dL	TP g/dL	UN mg/dL
50656	46	16	171	0.6	0.07	5.4	153	62	9	5.7	15.0
50657	59	22	205	0.9	0.08	10.1	119	57	10	6.1	19.6
50658	48	20	135	0.4	0.09	8.4	156	105	15	6.8	14.3
50659	51	20	129	0.5	0.08	10.8	129	71	8	5.8	15.1
50660	48	19	149	0.6	0.06	5.4	121	84	11	6.1	14.8
n	5	5	5	5	5	5	5	5	5	5	5
Mean	50.4	19.4	157.8	0.60	0.076	8.02	135.6	75.8	10.6	6.10	15.76
S.D.	5.1	2.2	30.9	0.19	0.011	2.55	17.7	19.3	2.7	0.43	2.17

Animal No.	Crea mg/dL	Na mEq/L	K mEq/L	Cl mEq/L	Ca mg/dL	IP mg/dL	A/G	Albumin g/dL	Albumin %	α1-G %	α2-G %
50656	0.36	143	4.35	105	9.4	5.8	1.08	2.96	51.9	18.6	9.5
50657	0.38	144	4.21	106	9.9	5.9	1.12	3.22	52.8	18.3	8.9
50658	0.33	144	4.60	107	10.3	5.3	1.40	3.96	58.3	16.4	8.0
50659	0.31	144	4.48	107	9.7	6.8	1.02	2.93	50.5	18.9	9.1
50660	0.34	143	4.78	106	9.9	6.7	1.22	3.36	55.0	18.3	7.8
n	5	5	5	5	5	5	5	5	5	5	5
Mean	0.344	143.6	4.484	106.2	9.84	6.10	1.168	3.286	53.70	18.10	8.66
S.D.	0.027	0.5	0.220	0.8	0.33	0.64	0.149	0.417	3.05	0.98	0.73

Animal No.	β-G %	γ-G %
50656	14.3	5.7
50657	13.3	6.7
50658	12.1	5.2
50659	15.1	6.4
50660	13.1	5.8
n	5	5
Mean	13.58	5.96
S.D.	1.15	0.59

Necropsy findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10101
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10103
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10104
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10106
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10107
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10108
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10111
Finding absent : Thoracic cavity, Other organs & tissues

Necropsy findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10201
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10202
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10203
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10204
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10205
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10206
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10207
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10208
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10209
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10210
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10211
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10212
Finding absent : Thoracic cavity, Other organs & tissues

Necropsy findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10301
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10302
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10303
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10304
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10305
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10306
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10307
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10308
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10309
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10310
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10311
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10312
Finding absent : Thoracic cavity, Other organs & tissues

Necropsy findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10401
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10403
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10405
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10409
Thoracic cavity
Findings : Finding present
Retention, fluid, pale yellow, oily
Non-graded change
Finding Comment : 1.0 mL

Finding absent : Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10410
Thoracic cavity
Findings : Finding present
Retention, fluid, pale yellow, oily
Non-graded change
Finding Comment : 0.5 mL

Finding absent : Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10411
Finding absent : Thoracic cavity, Other organs & tissues

Necropsy findings
Sex : Male Stage : Death (Day 7) Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10408

Lung
Findings : Finding present
White focus
Non-graded change
Finding Comment : right anterior lobe
Dark red
Non-graded change

Pericardial
Findings : Finding present
Adhesion
Non-graded change

Thoracic cavity
Findings : Finding present
Retention, fluid, pale yellow, oily
Non-graded change

Thoracic organs
Findings : Finding present
Adhesion
Non-graded change

Finding absent : Other organs & tissues

Necropsy findings
Sex : Female Stage : Day 5 after delivery Species : Rat

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50151
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50152
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50153
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50154
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50155
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50156
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50157
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50158
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50159 Non-pregnancy
Finding absent : All organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50160
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50161
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50162 Non-pregnancy
Finding absent : All organs & tissues

Necropsy findings
Sex : Female Stage : Day 5 after delivery Species : Rat

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 50251
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 50252
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 50253
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 50254
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 50255
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 50256
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 50257
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 50258
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 50259
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 50260
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 50261
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 50262
Finding absent : Skin, Other organs & tissues

Necropsy findings
Sex : Female Stage : Day 5 after delivery Species : Rat

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 50351
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 50352
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 50353
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 50354
Skin
Findings : Finding present
Subcutaneous mass, yellowish white
Non-graded change
Finding Comment : left inguina, 25 x 15 x 7 mm

Finding absent : Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 50355
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 50356
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 50357
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 50358
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 50359
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 50360
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 50361
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 50362
Skin
Findings : Finding present
Subcutaneous mass, yellowish white
Non-graded change
Finding Comment : left axilla, 20 x 10 x 5 mm

Finding absent : Other organs & tissues

Necropsy findings
Sex : Female Stage : Day 5 after delivery Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50451
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50452
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50453
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50454
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50455
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50456
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50457
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50458
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50459
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50460
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50461
Finding absent : Skin, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50462
Finding absent : Skin, Other organs & tissues

Necropsy findings
Sex : Female (satellite) Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50551
Finding absent : All organs & tissues
Estrous cycle : Diestrus

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50552
Finding absent : All organs & tissues
Estrous cycle : Diestrus

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50553
Finding absent : All organs & tissues
Estrous cycle : Proestrus

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50554
Finding absent : All organs & tissues
Estrous cycle : Proestrus

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50555
Finding absent : All organs & tissues
Estrous cycle : Diestrus

Necropsy findings
Sex : Female (satellite) Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50651
Finding absent : All organs & tissues
Estrous cycle : Estrus

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50652
Finding absent : All organs & tissues
Estrous cycle : Metestrus

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50653
Finding absent : All organs & tissues
Estrous cycle : Diestrus

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50654
Finding absent : All organs & tissues
Estrous cycle : Diestrus

Test article : 2-Methylpentane 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 : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10102
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10105
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10109 Infertility
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10110
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10112 Infertility
Finding absent : Thoracic cavity, Other organs & tissues

Necropsy findings
Sex : Male Stage : Recovery Day 15 Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10402
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10404
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10406
Thoracic cavity
Findings : Finding present
Retention, fluid, pale yellow, oily
Non-graded change
Finding Comment : 0.8 mL

Finding absent : Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10407
Finding absent : Thoracic cavity, Other organs & tissues

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10412
Finding absent : Thoracic cavity, Other organs & tissues

Necropsy findings
Sex : Female (satellite) Stage : Recovery Day 15 Species : Rat

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50556
Finding absent : All organs & tissues
Estrous cycle : Metestrus

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50557
Finding absent : All organs & tissues
Estrous cycle : Diestrus

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50558
Finding absent : All organs & tissues
Estrous cycle : Proestrus

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50559
Finding absent : All organs & tissues
Estrous cycle : Diestrus

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50560
Finding absent : All organs & tissues
Estrous cycle : Diestrus

Necropsy findings
Sex : Female (satellite) Stage : Recovery Day 15 Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50656
Finding absent : All organs & tissues
Estrous cycle : Estrus

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50657
Finding absent : All organs & tissues
Estrous cycle : Metestrus

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50658
Finding absent : All organs & tissues
Estrous cycle : Diestrus

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50659
Finding absent : All organs & tissues
Estrous cycle : Metestrus

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50660
Finding absent : All organs & tissues
Estrous cycle : Diestrus

Organ weight
Sex : Male
Stage : Day 29
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Body weight g	Liver AB g	Liver RE g/100g	Kidney AB g	Kidney RE g/100g	Heart AB g	Heart RE g/100g	Spleen AB mg	Spleen RE mg/100g
10101	483	13.10	2.71	3.01	0.62	1.34	0.28	738	152.80
10103	513	15.36	2.99	3.00	0.58	1.51	0.29	937	182.65
10104	524	15.51	2.96	3.15	0.60	1.51	0.29	776	148.09
10106	413	10.20	2.47	2.65	0.64	1.24	0.30	670	162.23
10107	417	11.84	2.84	3.18	0.76	1.23	0.29	764	183.21
10108	421	11.53	2.74	3.28	0.78	1.36	0.32	621	147.51
10111	394	9.84	2.50	2.82	0.72	1.28	0.32	527	133.76
n	7	7	7	7	7	7	7	7	7
Mean	452.1	12.483	2.744	3.013	0.671	1.353	0.299	719.0	158.607
S.D.	53.1	2.285	0.205	0.219	0.081	0.117	0.016	130.4	18.625

Animal No.	Thymus AB mg	Thymus RE mg/100g	Adrenal AB mg	Adrenal RE mg/100g	Pituitary gland AB mg	Pituitary gland RE mg/100g	Thyroid AB mg	Thyroid RE mg/100g	Testis AB g	Testis RE g/100g
10101	299	61.90	42	8.70	10.9	2.26	18.6	3.85	3.35	0.69
10103	438	85.38	55	10.72	12.0	2.34	22.0	4.29	3.14	0.61
10104	426	81.30	60	11.45	12.6	2.40	23.1	4.41	3.24	0.62
10106	202	48.91	51	12.35	7.5	1.82	22.6	5.47	3.10	0.75
10107	292	70.02	66	15.83	12.7	3.05	22.7	5.44	3.23	0.77
10108	251	59.62	62	14.73	11.8	2.80	19.5	4.63	3.60	0.86
10111	276	70.05	57	14.47	10.8	2.74	25.0	6.35	3.08	0.78
n	7	7	7	7	7	7	7	7	7	7
Mean	312.0	68.169	56.1	12.607	11.19	2.487	21.93	4.920	3.249	0.726
S.D.	88.1	12.642	7.9	2.536	1.79	0.409	2.19	0.866	0.181	0.091

Animal No.	Epididymis AB g	Epididymis RE g/100g	Prostate AB mg	Prostate RE mg/100g	Seminal vesicle AB g	Seminal vesicle RE g/100g	Brain AB g	Brain RE g/100g
10101	1.23	0.25	795	164.60	2.04	0.42	2.18	0.45
10103	1.24	0.24	732	142.69	2.15	0.42	2.17	0.42
10104	1.39	0.27	624	119.08	2.33	0.44	2.20	0.42
10106	1.01	0.24	475	115.01	1.18	0.29	2.11	0.51
10107	1.18	0.28	1102	264.27	2.98	0.71	2.26	0.54
10108	1.25	0.30	652	154.87	1.94	0.46	2.11	0.50
10111	1.25	0.32	663	168.27	2.10	0.53	2.15	0.55
n	7	7	7	7	7	7	7	7
Mean	1.221	0.271	720.4	161.256	2.103	0.467	2.169	0.484
S.D.	0.113	0.031	195.3	49.959	0.533	0.129	0.053	0.054

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

Organ weight
Sex : Male
Stage : Day 29
Dose : 2-Methylpentane 100 mg/kg
Species : Rat

Animal No.	Body weight g	Liver AB g	Liver RE g/100g	Kidney AB g	Kidney RE g/100g	Heart AB g	Heart RE g/100g	Spleen AB mg	Spleen RE mg/100g
10201	458	12.29	2.68	2.84	0.62	1.48	0.32	759	165.72
10202	411	9.53	2.32	3.03	0.74	1.31	0.32	698	169.83
10203	446	12.29	2.76	3.56	0.80	1.25	0.28	656	147.09
10204	443	10.76	2.43	2.87	0.65	1.31	0.30	680	153.50
10205	415	9.96	2.40	2.57	0.62	1.34	0.32	667	160.72
10206	381	9.49	2.49	2.47	0.65	1.19	0.31	525	137.80
10207	430	11.06	2.57	2.79	0.65	1.19	0.28	606	140.93
10208	464	11.08	2.39	3.15	0.68	1.40	0.30	829	178.66
10209	438	12.35	2.82	3.62	0.83	1.54	0.35	659	150.46
10210	488	14.39	2.95	3.93	0.81	1.49	0.31	694	142.21
10211	450	10.72	2.38	3.21	0.71	1.59	0.35	598	132.89
10212	500	14.77	2.95	3.16	0.63	1.36	0.27	935	187.00
n	12	12	12	12	12	12	12	12	12
Mean	443.7	11.558	2.595	3.100	0.699	1.371	0.309	692.2	155.568
S.D.	32.8	1.727	0.229	0.436	0.078	0.132	0.025	108.6	17.000

Animal No.	Thymus AB mg	Thymus RE mg/100g	Adrenal AB mg	Adrenal RE mg/100g	Pituitary gland AB mg	Pituitary gland RE mg/100g	Thyroid AB mg	Thyroid RE mg/100g	Testis AB g	Testis RE g/100g
10201	385	84.06	71	15.50	11.5	2.51	23.4	5.11	2.93	0.64
10202	353	85.89	63	15.33	13.3	3.24	19.6	4.77	3.75	0.91
10203	364	81.61	65	14.57	10.1	2.26	21.8	4.89	3.10	0.70
10204	291	65.69	71	16.03	10.3	2.33	18.4	4.15	3.32	0.75
10205	471	113.49	67	16.14	9.5	2.29	21.4	5.16	3.36	0.81
10206	210	55.12	57	14.96	9.1	2.39	13.0	3.41	3.07	0.81
10207	311	72.33	47	10.93	9.3	2.16	15.2	3.53	2.68	0.62
10208	395	85.13	46	9.91	8.4	1.81	24.4	5.26	3.16	0.68
10209	507	115.75	78	17.81	11.6	2.65	19.4	4.43	2.94	0.67
10210	348	71.31	72	14.75	15.4	3.16	20.3	4.16	3.55	0.73
10211	241	53.56	62	13.78	10.4	2.31	14.0	3.11	3.29	0.73
10212	374	74.80	86	17.20	12.4	2.48	25.3	5.06	3.40	0.68
n	12	12	12	12	12	12	12	12	12	12
Mean	354.2	79.895	65.4	14.743	10.94	2.466	19.68	4.420	3.213	0.728
S.D.	85.1	19.456	11.7	2.313	2.01	0.400	3.98	0.748	0.294	0.083

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

Organ weight
Sex : Male
Stage : Day 29
Dose : 2-Methylpentane 100 mg/kg
Species : Rat

	Epididymis		Prostate		Seminal vesicle		Brain	
	AB	RE	AB	RE	AB	RE	AB	RE
Animal No.	g	g/100g	mg	mg/100g	g	g/100g	g	g/100g
10201	1.22	0.27	973	212.45	2.62	0.57	2.28	0.50
10202	1.33	0.32	654	159.12	2.53	0.62	2.08	0.51
10203	1.40	0.31	697	156.28	1.50	0.34	2.24	0.50
10204	1.29	0.29	522	117.83	1.93	0.44	2.09	0.47
10205	1.19	0.29	624	150.36	2.26	0.54	2.32	0.56
10206	1.10	0.29	719	188.71	2.44	0.64	2.08	0.55
10207	1.10	0.26	543	126.28	2.26	0.53	2.16	0.50
10208	1.34	0.29	416	89.66	1.52	0.33	2.13	0.46
10209	1.25	0.29	880	200.91	2.63	0.60	2.03	0.46
10210	1.34	0.27	874	179.10	1.90	0.39	2.34	0.48
10211	1.16	0.26	649	144.22	2.40	0.53	2.06	0.46
10212	1.34	0.27	732	146.40	2.25	0.45	2.17	0.43
n	12	12	12	12	12	12	12	12
Mean	1.255	0.284	690.3	155.943	2.187	0.498	2.165	0.490
S.D.	0.101	0.019	160.9	35.446	0.392	0.107	0.106	0.038

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

Organ weight
Sex : Male
Stage : Day 29
Dose : 2-Methylpentane 300 mg/kg
Species : Rat

Animal No.	Body weight g	Liver AB g	Liver RE g/100g	Kidney AB g	Kidney RE g/100g	Heart AB g	Heart RE g/100g	Spleen AB mg	Spleen RE mg/100g
10301	463	10.41	2.25	3.17	0.68	1.20	0.26	637	137.58
10302	419	12.03	2.87	3.55	0.85	1.50	0.36	523	124.82
10303	455	12.41	2.73	3.59	0.79	1.50	0.33	707	155.38
10304	486	13.21	2.72	3.59	0.74	1.52	0.31	726	149.38
10305	458	14.02	3.06	3.15	0.69	1.34	0.29	687	150.00
10306	478	14.04	2.94	3.32	0.69	1.36	0.28	632	132.22
10307	412	12.39	3.01	3.07	0.75	1.17	0.28	652	158.25
10308	415	10.67	2.57	3.06	0.74	1.45	0.35	731	176.14
10309	492	14.01	2.85	3.75	0.76	1.51	0.31	690	140.24
10310	454	12.54	2.76	3.70	0.81	1.33	0.29	577	127.09
10311	445	11.65	2.62	3.29	0.74	1.51	0.34	785	176.40
10312	466	13.93	2.99	3.76	0.81	1.48	0.32	990	212.45
n	12	12	12	12	12	12	12	12	12
Mean	453.6	12.609	2.781	3.417	0.754	1.406	0.310	694.8	153.329
S.D.	26.8	1.281	0.228	0.268	0.053	0.124	0.031	116.9	25.171

Animal No.	Thymus AB mg	Thymus RE mg/100g	Adrenal AB mg	Adrenal RE mg/100g	Pituitary gland AB mg	Pituitary gland RE mg/100g	Thyroid AB mg	Thyroid RE mg/100g	Testis AB g	Testis RE g/100g
10301	298	64.36	52	11.23	9.7	2.10	17.9	3.87	3.22	0.70
10302	217	51.79	62	14.80	14.5	3.46	25.7	6.13	3.13	0.75
10303	421	92.53	73	16.04	14.4	3.16	23.3	5.12	3.22	0.71
10304	306	62.96	69	14.20	11.5	2.37	15.9	3.27	3.37	0.69
10305	417	91.05	63	13.76	8.0	1.75	16.3	3.56	2.87	0.63
10306	274	57.32	62	12.97	10.4	2.18	18.4	3.85	3.04	0.64
10307	225	54.61	49	11.89	10.6	2.57	19.6	4.76	2.89	0.70
10308	340	81.93	54	13.01	11.4	2.75	14.5	3.49	3.10	0.75
10309	327	66.46	67	13.62	11.1	2.26	23.1	4.70	2.97	0.60
10310	301	66.30	65	14.32	10.2	2.25	16.4	3.61	3.30	0.73
10311	369	82.92	63	14.16	12.9	2.90	24.0	5.39	3.84	0.86
10312	332	71.24	72	15.45	14.1	3.03	25.0	5.36	3.66	0.79
n	12	12	12	12	12	12	12	12	12	12
Mean	318.9	70.289	62.6	13.788	11.57	2.565	20.01	4.426	3.218	0.713
S.D.	64.2	13.808	7.6	1.378	2.03	0.502	3.99	0.936	0.295	0.072

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

Organ weight
Sex : Male

Stage : Day 29
Dose : 2-Methylpentane 300 mg/kg

Species : Rat

	Epididymis		Prostate		Seminal vesicle		Brain	
	AB	RE	AB	RE	AB	RE	AB	RE
Animal No.	g	g/100g	mg	mg/100g	g	g/100g	g	g/100g
10301	1.24	0.27	738	159.40	2.60	0.56	2.13	0.46
10302	1.15	0.27	624	148.93	2.14	0.51	2.29	0.55
10303	1.17	0.26	710	156.04	2.20	0.48	2.18	0.48
10304	1.34	0.28	616	126.75	1.82	0.37	2.18	0.45
10305	1.21	0.26	295	64.41	1.89	0.41	2.08	0.45
10306	1.09	0.23	561	117.36	1.97	0.41	2.09	0.44
10307	1.18	0.29	739	179.37	1.92	0.47	2.21	0.54
10308	1.19	0.29	637	153.49	2.41	0.58	2.18	0.53
10309	1.17	0.24	516	104.88	1.75	0.36	2.22	0.45
10310	1.26	0.28	689	151.76	2.18	0.48	2.33	0.51
10311	1.48	0.33	696	156.40	2.32	0.52	2.09	0.47
10312	1.40	0.30	579	124.25	2.14	0.46	2.29	0.49
n	12	12	12	12	12	12	12	12
Mean	1.240	0.275	616.7	136.920	2.112	0.468	2.189	0.485
S.D.	0.113	0.027	123.8	31.075	0.253	0.070	0.084	0.039

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

Organ weight
Sex : Male
Stage : Day 29
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	Body weight g	Liver AB g	Liver RE g/100g	Kidney AB g	Kidney RE g/100g	Heart AB g	Heart RE g/100g	Spleen AB mg	Spleen RE mg/100g
10401	423	13.74	3.25	3.28	0.78	1.29	0.30	643	152.01
10403	461	13.67	2.97	4.27	0.93	1.34	0.29	784	170.07
10405	401	12.30	3.07	3.01	0.75	1.45	0.36	635	158.35
10409	432	12.39	2.87	3.19	0.74	1.24	0.29	665	153.94
10410	407	13.33	3.28	3.43	0.84	1.30	0.32	676	166.09
10411	513	15.94	3.11	4.07	0.79	1.41	0.27	624	121.64
n	6	6	6	6	6	6	6	6	6
Mean	439.5	13.562	3.092	3.542	0.805	1.338	0.305	671.2	153.683
S.D.	41.8	1.320	0.158	0.509	0.071	0.079	0.031	58.5	17.169

Animal No.	Thymus AB mg	Thymus RE mg/100g	Adrenal AB mg	Adrenal RE mg/100g	Pituitary gland AB mg	Pituitary gland RE mg/100g	Thyroid AB mg	Thyroid RE mg/100g	Testis AB g	Testis RE g/100g
10401	250	59.10	67	15.84	11.7	2.77	19.5	4.61	3.32	0.78
10403	320	69.41	47	10.20	8.4	1.82	18.3	3.97	3.48	0.75
10405	288	71.82	65	16.21	13.9	3.47	19.5	4.86	2.95	0.74
10409	437	101.16	65	15.05	12.8	2.96	20.8	4.81	2.99	0.69
10410	413	101.47	54	13.27	8.7	2.14	12.7	3.12	3.28	0.81
10411	395	77.00	59	11.50	10.7	2.09	17.1	3.33	3.42	0.67
n	6	6	6	6	6	6	6	6	6	6
Mean	350.5	79.993	59.5	13.678	11.03	2.542	17.98	4.117	3.240	0.740
S.D.	75.2	17.513	7.8	2.448	2.20	0.629	2.88	0.763	0.221	0.053

Animal No.	Epididymis AB g	Epididymis RE g/100g	Prostate AB mg	Prostate RE mg/100g	Seminal vesicle AB g	Seminal vesicle RE g/100g	Brain AB g	Brain RE g/100g
10401	1.13	0.27	731	172.81	1.91	0.45	2.17	0.51
10403	1.23	0.27	550	119.31	2.14	0.46	2.23	0.48
10405	1.05	0.26	550	137.16	1.06	0.26	2.05	0.51
10409	1.11	0.26	611	141.44	2.30	0.53	2.19	0.51
10410	1.24	0.30	723	177.64	2.53	0.62	2.11	0.52
10411	1.27	0.25	635	123.78	2.18	0.42	2.11	0.41
n	6	6	6	6	6	6	6	6
Mean	1.172	0.268	633.3	145.357	2.020	0.457	2.143	0.490
S.D.	0.087	0.017	80.0	24.586	0.512	0.120	0.065	0.041

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

Organ weight
Sex : Female
Stage : Day 5 after delivery
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Body weight g	Liver AB g	Liver RE g/100g	Kidney AB g	Kidney RE g/100g	Heart AB g	Heart RE g/100g	Spleen AB mg	Spleen RE mg/100g
50151	313	9.91	3.17	2.06	0.66	1.00	0.32	596	190.42
50152	331	10.93	3.30	2.08	0.63	1.16	0.35	861	260.12
50153	327	12.12	3.71	2.52	0.77	1.24	0.38	828	253.21
50154	300	9.13	3.04	1.95	0.65	0.91	0.30	603	201.00
50155	297	9.28	3.12	2.18	0.73	0.98	0.33	534	179.80
50156	340	11.23	3.30	2.16	0.64	1.00	0.29	478	140.59
50157	301	10.72	3.56	2.40	0.80	0.98	0.33	761	252.82
50158	320	9.91	3.10	1.87	0.58	0.93	0.29	576	180.00
50159	294 $	7.39 $	2.51 $	1.90 $	0.65 $	0.85 $	0.29 $	523 $	177.89 $
50160	355	10.70	3.01	2.16	0.61	1.06	0.30	627	176.62
50161	343	10.66	3.11	2.36	0.69	1.12	0.33	768	223.91
50162	259 $	5.59 $	2.16 $	1.91 $	0.74 $	0.90 $	0.35 $	339 $	130.89 $
n	10	10	10	10	10	10	10	10	10
Mean	322.7	10.459	3.242	2.174	0.676	1.038	0.322	663.2	205.849
S.D.	20.0	0.913	0.231	0.203	0.071	0.106	0.029	131.2	40.059

Animal No.	Thymus AB mg	Thymus RE mg/100g	Adrenal AB mg	Adrenal RE mg/100g	Pituitary gland AB mg	Pituitary gland RE mg/100g	Thyroid AB mg	Thyroid RE mg/100g	Ovary AB mg	Ovary RE mg/100g
50151	268	85.62	83	26.52	18.9	6.04	21.4	6.84	125	39.94
50152	244	73.72	95	28.70	14.8	4.47	14.0	4.23	114	34.44
50153	333	101.83	97	29.66	17.8	5.44	19.2	5.87	140	42.81
50154	214	71.33	60	20.00	15.9	5.30	13.3	4.43	85	28.33
50155	169	56.90	67	22.56	15.8	5.32	11.5	3.87	93	31.31
50156	132	38.82	66	19.41	12.9	3.79	14.9	4.38	107	31.47
50157	143	47.51	70	23.26	20.3	6.74	18.8	6.25	102	33.89
50158	283	88.44	65	20.31	20.8	6.50	19.4	6.06	98	30.63
50159	346 $	117.69 $	82 $	27.89 $	14.8 $	5.03 $	17.1 $	5.82 $	117 $	39.80 $
50160	306	86.20	78	21.97	13.2	3.72	16.9	4.76	107	30.14
50161	291	84.84	66	19.24	21.0	6.12	16.7	4.87	128	37.32
50162	232 $	89.58 $	79 $	30.50 $	14.3 $	5.52 $	15.0 $	5.79 $	94 $	36.29 $
n	10	10	10	10	10	10	10	10	10	10
Mean	238.3	73.521	74.7	23.163	17.14	5.344	16.61	5.156	109.9	34.028
S.D.	70.7	20.058	13.0	3.852	3.06	1.065	3.15	1.013	17.0	4.669

AB : Absolute weight, RE : Relative weight by body weight
Animal No.50159 and 50162 : Non-pregnancy
$: Excepted data from calculation

Organ weight
Sex : Female

Stage : Day 5 after delivery
Dose : 2-Methylpentane 0 mg/kg

Species : Rat

	Uterus		Brain	
	AB	RE	AB	RE
Animal No.	mg	mg/100g	g	g/100g
50151	756	241.53	2.11	0.67
50152	832	251.36	2.04	0.62
50153	1027	314.07	2.01	0.61
50154	708	236.00	1.99	0.66
50155	623	209.76	1.93	0.65
50156	714	210.00	2.08	0.61
50157	628	208.64	2.06	0.68
50158	671	209.69	2.09	0.65
50159	876 $	297.96 $	1.90 $	0.65 $
50160	681	191.83	2.12	0.60
50161	619	180.47	2.04	0.59
50162	510 $	196.91 $	2.09 $	0.81 $
n	10	10	10	10
Mean	725.9	225.335	2.047	0.634
S.D.	124.7	38.099	0.059	0.032

AB : Absolute weight, RE : Relative weight by body weight
Animal No.50159 and 50162 : Non-pregnancy
$: Excepted data from calculation

Organ weight
Sex : Female
Stage : Day 5 after delivery
Dose : 2-Methylpentane 100 mg/kg
Species : Rat

Animal No.	Body weight g	Liver AB g	Liver RE g/100g	Kidney AB g	Kidney RE g/100g	Heart AB g	Heart RE g/100g	Spleen AB mg	Spleen RE mg/100g
50251	321	9.32	2.90	2.19	0.68	0.99	0.31	610	190.03
50252	326	9.90	3.04	2.33	0.71	1.05	0.32	708	217.18
50253	291	10.11	3.47	2.26	0.78	0.91	0.31	693	238.14
50254	313	9.38	3.00	2.39	0.76	0.98	0.31	661	211.18
50255	327	10.49	3.21	2.45	0.75	0.95	0.29	761	232.72
50256	359	12.20	3.40	2.74	0.76	1.26	0.35	884	246.24
50257	349	11.78	3.38	2.11	0.60	1.15	0.33	635	181.95
50258	293	9.28	3.17	1.95	0.67	1.06	0.36	525	179.18
50259	311	10.44	3.36	2.25	0.72	1.02	0.33	674	216.72
50260	301	10.57	3.51	2.38	0.79	1.03	0.34	574	190.70
50261	283	8.50	3.00	1.98	0.70	0.96	0.34	592	209.19
50262	347	11.29	3.25	2.10	0.61	1.07	0.31	621	178.96
n	12	12	12	12	12	12	12	12	12
Mean	318.4	10.272	3.224	2.261	0.711	1.036	0.325	661.5	207.683
S.D.	24.5	1.095	0.204	0.220	0.062	0.095	0.020	94.8	23.601

Animal No.	Thymus AB mg	Thymus RE mg/100g	Adrenal AB mg	Adrenal RE mg/100g	Pituitary gland AB mg	Pituitary gland RE mg/100g	Thyroid AB mg	Thyroid RE mg/100g	Ovary AB mg	Ovary RE mg/100g
50251	214	66.67	75	23.36	16.3	5.08	17.3	5.39	105	32.71
50252	184	56.44	76	23.31	13.2	4.05	12.0	3.68	111	34.05
50253	213	73.20	79	27.15	16.6	5.70	19.9	6.84	110	37.80
50254	281	89.78	71	22.68	16.2	5.18	17.4	5.56	117	37.38
50255	291	88.99	66	20.18	12.5	3.82	13.6	4.16	113	34.56
50256	274	76.32	80	22.28	22.6	6.30	18.0	5.01	121	33.70
50257	301	86.25	94	26.93	18.6	5.33	18.4	5.27	123	35.24
50258	283	96.59	91	31.06	18.6	6.35	24.3	8.29	130	44.37
50259	232	74.60	76	24.44	18.1	5.82	15.4	4.95	113	36.33
50260	140	46.51	90	29.90	16.1	5.35	12.6	4.19	108	35.88
50261	223	78.80	71	25.09	13.5	4.77	20.2	7.14	88	31.10
50262	280	80.69	79	22.77	19.5	5.62	14.2	4.09	133	38.33
n	12	12	12	12	12	12	12	12	12	12
Mean	243.0	76.237	79.0	24.929	16.82	5.281	16.94	5.381	114.3	35.954
S.D.	49.9	14.353	8.6	3.246	2.90	0.782	3.59	1.399	12.0	3.402

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

Organ weight
Sex : Female

Stage : Day 5 after delivery
Dose : 2-Methylpentane 100 mg/kg

Species : Rat

	Uterus		Brain	
	AB	RE	AB	RE
Animal No.	mg	mg/100g	g	g/100g
50251	704	219.31	2.00	0.62
50252	840	257.67	2.06	0.63
50253	612	210.31	1.95	0.67
50254	852	272.20	2.01	0.64
50255	674	206.12	2.01	0.61
50256	894	249.03	2.07	0.58
50257	820	234.96	2.23	0.64
50258	722	246.42	1.99	0.68
50259	693	222.83	2.09	0.67
50260	763	253.49	1.95	0.65
50261	642	226.86	2.10	0.74
50262	690	198.85	2.23	0.64
n	12	12	12	12
Mean	742.2	233.171	2.058	0.648
S.D.	90.4	22.839	0.094	0.040

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

Organ weight
Sex : Female
Stage : Day 5 after delivery
Dose : 2-Methylpentane 300 mg/kg
Species : Rat

Animal No.	Body weight g	Liver AB g	Liver RE g/100g	Kidney AB g	Kidney RE g/100g	Heart AB g	Heart RE g/100g	Spleen AB mg	Spleen RE mg/100g
50351	320	10.33	3.23	2.18	0.68	1.13	0.35	772	241.25
50352	323	11.63	3.60	2.61	0.81	1.04	0.32	659	204.02
50353	318	10.77	3.39	2.49	0.78	0.94	0.30	538	169.18
50354	305	12.97	4.25	2.32	0.76	1.03	0.34	643	210.82
50355	317	9.97	3.15	2.12	0.67	0.96	0.30	516	162.78
50356	360	11.84	3.29	2.38	0.66	1.15	0.32	675	187.50
50357	293	9.24	3.15	1.97	0.67	0.94	0.32	706	240.96
50358	302	9.36	3.10	1.78	0.59	0.94	0.31	515	170.53
50359	315	11.30	3.59	2.11	0.67	1.14	0.36	637	202.22
50360	310	10.24	3.30	2.27	0.73	1.04	0.34	796	256.77
50361	326	11.25	3.45	2.38	0.73	1.24	0.38	598	183.44
50362	288	10.02	3.48	2.13	0.74	0.87	0.30	626	217.36
n	12	12	12	12	12	12	12	12	12
Mean	314.8	10.743	3.415	2.228	0.708	1.035	0.328	640.1	203.903
S.D.	18.5	1.097	0.312	0.229	0.062	0.111	0.026	91.0	30.886

Animal No.	Thymus AB mg	Thymus RE mg/100g	Adrenal AB mg	Adrenal RE mg/100g	Pituitary gland AB mg	Pituitary gland RE mg/100g	Thyroid AB mg	Thyroid RE mg/100g	Ovary AB mg	Ovary RE mg/100g
50351	210	65.63	79	24.69	15.4	4.81	16.5	5.16	106	33.13
50352	283	87.62	84	26.01	18.1	5.60	22.7	7.03	129	39.94
50353	193	60.69	86	27.04	15.8	4.97	19.4	6.10	125	39.31
50354	146	47.87	88	28.85	21.4	7.02	17.4	5.70	149	48.85
50355	199	62.78	69	21.77	18.1	5.71	15.1	4.76	112	35.33
50356	199	55.28	92	25.56	22.1	6.14	16.0	4.44	180	50.00
50357	286	97.61	83	28.33	13.6	4.64	13.7	4.68	109	37.20
50358	250	82.78	87	28.81	12.4	4.11	10.1	3.34	102	33.77
50359	237	75.24	79	25.08	17.8	5.65	15.8	5.02	124	39.37
50360	248	80.00	94	30.32	16.4	5.29	19.3	6.23	114	36.77
50361	205	62.88	85	26.07	17.8	5.46	21.6	6.63	128	39.26
50362	117	40.63	72	25.00	14.6	5.07	23.1	8.02	116	40.28
n	12	12	12	12	12	12	12	12	12	12
Mean	214.4	68.251	83.2	26.461	16.96	5.373	17.56	5.593	124.5	39.434
S.D.	50.4	16.800	7.4	2.341	2.89	0.754	3.85	1.285	21.6	5.240

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

Organ weight
Sex : Female

Stage : Day 5 after delivery
Dose : 2-Methylpentane 300 mg/kg
Species : Rat

	Uterus		Brain	
	AB	RE	AB	RE
Animal No.	mg	mg/100g	g	g/100g
50351	949	296.56	2.10	0.66
50352	645	199.69	1.99	0.62
50353	667	209.75	2.03	0.64
50354	746	244.59	2.10	0.69
50355	772	243.53	2.19	0.69
50356	852	236.67	2.11	0.59
50357	616	210.24	2.18	0.74
50358	636	210.60	2.00	0.66
50359	644	204.44	2.17	0.69
50360	736	237.42	2.11	0.68
50361	844	258.90	2.19	0.67
50362	774	268.75	2.17	0.75
n	12	12	12	12
Mean	740.1	235.095	2.112	0.673
S.D.	104.0	29.695	0.073	0.045

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

Organ weight
Sex : Female
Stage : Day 5 after delivery
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	Body weight g	Liver AB g	Liver RE g/100g	Kidney AB g	Kidney RE g/100g	Heart AB g	Heart RE g/100g	Spleen AB mg	Spleen RE mg/100g
50451	331	10.81	3.27	2.24	0.68	1.02	0.31	520	157.10
50452	329	10.10	3.07	2.10	0.64	0.95	0.29	749	227.66
50453	310	10.79	3.48	2.04	0.66	1.16	0.37	758	244.52
50454	314	10.88	3.46	1.96	0.62	1.00	0.32	703	223.89
50455	334	11.62	3.48	2.26	0.68	1.07	0.32	712	213.17
50456	315	10.63	3.37	2.43	0.77	1.15	0.37	625	198.41
50457	329	11.68	3.55	2.52	0.77	1.13	0.34	737	224.01
50458	315	12.72	4.04	2.18	0.69	1.03	0.33	631	200.32
50459	322	11.07	3.44	2.08	0.65	0.85	0.26	721	223.91
50460	344	12.01	3.49	2.63	0.76	1.13	0.33	649	188.66
50461	315	11.80	3.75	2.28	0.72	0.98	0.31	782	248.25
50462	376	12.88	3.43	2.89	0.77	1.21	0.32	797	211.97
n	12	12	12	12	12	12	12	12	12
Mean	327.8	11.416	3.486	2.301	0.701	1.057	0.323	698.7	213.489
S.D.	18.3	0.851	0.237	0.272	0.055	0.104	0.030	79.3	25.043

Animal No.	Thymus AB mg	Thymus RE mg/100g	Adrenal AB mg	Adrenal RE mg/100g	Pituitary gland AB mg	Pituitary gland RE mg/100g	Thyroid AB mg	Thyroid RE mg/100g	Ovary AB mg	Ovary RE mg/100g
50451	250	75.53	72	21.75	19.5	5.89	23.3	7.04	143	43.20
50452	280	85.11	63	19.15	12.9	3.92	15.7	4.77	112	34.04
50453	257	82.90	65	20.97	18.8	6.06	19.0	6.13	110	35.48
50454	255	81.21	79	25.16	16.7	5.32	23.1	7.36	109	34.71
50455	213	63.77	66	19.76	14.5	4.34	13.9	4.16	107	32.04
50456	215	68.25	88	27.94	12.2	3.87	21.9	6.95	114	36.19
50457	361	109.73	83	25.23	18.9	5.74	24.5	7.45	133	40.43
50458	181	57.46	87	27.62	23.6	7.49	17.7	5.62	126	40.00
50459	188	58.39	78	24.22	17.4	5.40	15.0	4.66	111	34.47
50460	313	90.99	87	25.29	21.1	6.13	30.9	8.98	117	34.01
50461	236	74.92	60	19.05	15.0	4.76	22.3	7.08	113	35.87
50462	304	80.85	106	28.19	15.9	4.23	14.5	3.86	139	36.97
n	12	12	12	12	12	12	12	12	12	12
Mean	254.4	77.426	77.8	23.694	17.21	5.263	20.15	6.172	119.5	36.451
S.D.	53.4	14.722	13.4	3.436	3.36	1.083	5.09	1.569	12.5	3.216

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

Organ weight
Sex : Female

Stage : Day 5 after delivery
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

	Uterus		Brain	
	AB	RE	AB	RE
Animal No.	mg	mg/100g	g	g/100g
50451	545	164.65	2.09	0.63
50452	765	232.52	2.03	0.62
50453	635	204.84	2.10	0.68
50454	787	250.64	2.19	0.70
50455	735	220.06	2.13	0.64
50456	828	262.86	2.02	0.64
50457	740	224.92	2.04	0.62
50458	692	219.68	2.12	0.67
50459	761	236.34	2.11	0.66
50460	908	263.95	2.18	0.63
50461	655	207.94	1.93	0.61
50462	882	234.57	2.14	0.57
n	12	12	12	12
Mean	744.4	226.914	2.090	0.639
S.D.	103.5	27.358	0.074	0.035

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

Organ weight
Sex : Female (satellite)
Stage : Day 29
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

	Body weight	Liver		Kidney		Heart		Spleen	
		AB	RE	AB	RE	AB	RE	AB	RE
Animal No.	g	g	g/100g	g	g/100g	g	g/100g	mg	mg/100g
50551	269	7.97	2.96	1.94	0.72	0.78	0.29	437	162.45
50552	282	7.62	2.70	1.81	0.64	0.89	0.32	580	205.67
50553	264	7.08	2.68	1.71	0.65	0.90	0.34	504	190.91
50554	278	7.04	2.53	1.92	0.69	0.97	0.35	472	169.78
50555	237	6.49	2.74	1.74	0.73	0.86	0.36	446	188.19
n	5	5	5	5	5	5	5	5	5
Mean	266.0	7.240	2.722	1.824	0.686	0.880	0.332	487.8	183.400
S.D.	17.7	0.571	0.155	0.104	0.040	0.069	0.028	57.8	17.318

	Thymus		Adrenal		Pituitary gland		Thyroid		Ovary	
	AB	RE	AB	RE	AB	RE	AB	RE	AB	RE
Animal No.	mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g	mg	mg/100g
50551	403	149.81	75	27.88	17.9	6.65	17.7	6.58	101	37.55
50552	374	132.62	64	22.70	18.2	6.45	14.3	5.07	103	36.52
50553	426	161.36	84	31.82	18.2	6.89	12.4	4.70	89	33.71
50554	496	178.42	69	24.82	13.8	4.96	14.5	5.22	77	27.70
50555	319	134.60	76	32.07	17.6	7.43	16.8	7.09	111	46.84
n	5	5	5	5	5	5	5	5	5	5
Mean	403.6	151.362	73.6	27.858	17.14	6.476	15.14	5.732	96.2	36.464
S.D.	65.3	19.149	7.6	4.162	1.88	0.923	2.12	1.040	13.3	6.950

	Uterus		Brain	
	AB	RE	AB	RE
Animal No.	mg	mg/100g	g	g/100g
50551	650	241.64	1.98	0.74
50552	481	170.57	1.80	0.64
50553	855	323.86	1.99	0.75
50554	1175	422.66	1.98	0.71
50555	667	281.43	2.01	0.85
n	5	5	5	5
Mean	765.6	288.032	1.952	0.738
S.D.	264.4	94.076	0.086	0.076

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

Organ weight
Sex : Female (satellite)
Stage : Day 29
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	Body weight g	Liver AB g	Liver RE g/100g	Kidney AB g	Kidney RE g/100g	Heart AB g	Heart RE g/100g	Spleen AB mg	Spleen RE mg/100g
50651	268	7.14	2.66	1.83	0.68	0.96	0.36	512	191.04
50652	284	8.01	2.82	1.92	0.68	0.93	0.33	558	196.48
50653	251	6.84	2.73	1.71	0.68	0.89	0.35	518	206.37
50654	257	7.09	2.76	1.93	0.75	0.79	0.31	476	185.21
50655	275	8.36	3.04	1.90	0.69	0.88	0.32	550	200.00
n	5	5	5	5	5	5	5	5	5
Mean	267.0	7.488	2.802	1.858	0.696	0.890	0.334	522.8	195.820
S.D.	13.3	0.658	0.145	0.091	0.030	0.064	0.021	32.8	8.134

Animal No.	Thymus AB mg	Thymus RE mg/100g	Adrenal AB mg	Adrenal RE mg/100g	Pituitary gland AB mg	Pituitary gland RE mg/100g	Thyroid AB mg	Thyroid RE mg/100g	Ovary AB mg	Ovary RE mg/100g
50651	307	114.55	80	29.85	17.4	6.49	11.1	4.14	91	33.96
50652	523	184.15	98	34.51	11.5	4.05	21.7	7.64	109	38.38
50653	355	141.43	57	22.71	15.5	6.18	18.6	7.41	79	31.47
50654	405	157.59	75	29.18	14.0	5.45	12.6	4.90	105	40.86
50655	293	106.55	81	29.45	16.1	5.85	18.7	6.80	114	41.45
n	5	5	5	5	5	5	5	5	5	5
Mean	376.6	140.854	78.2	29.140	14.90	5.604	16.54	6.178	99.6	37.224
S.D.	92.9	31.716	14.7	4.207	2.26	0.951	4.49	1.568	14.3	4.364

Animal No.	Uterus AB mg	Uterus RE mg/100g	Brain AB g	Brain RE g/100g
50651	469	175.00	2.04	0.76
50652	537	189.08	2.00	0.70
50653	793	315.94	1.98	0.79
50654	630	245.14	1.83	0.71
50655	618	224.73	2.00	0.73
n	5	5	5	5
Mean	609.4	229.978	1.970	0.738
S.D.	121.6	55.548	0.081	0.037

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

Organ weight
Sex : Male
Stage : Recovery Day 15
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Body weight g	Liver AB g	Liver RE g/100g	Kidney AB g	Kidney RE g/100g	Heart AB g	Heart RE g/100g	Spleen AB mg	Spleen RE mg/100g
10102	499	12.56	2.52	3.26	0.65	1.52	0.30	760	152.30
10105	467	12.25	2.62	2.67	0.57	1.49	0.32	774	165.74
10109	451	9.71	2.15	3.19	0.71	1.43	0.32	700	155.21
10110	422	10.22	2.42	2.71	0.64	1.44	0.34	682	161.61
10112	493	11.78	2.39	3.42	0.69	1.53	0.31	857	173.83
n	5	5	5	5	5	5	5	5	5
Mean	466.4	11.304	2.420	3.050	0.652	1.482	0.318	754.6	161.738
S.D.	31.5	1.266	0.176	0.339	0.054	0.045	0.015	69.2	8.572

Animal No.	Thymus AB mg	Thymus RE mg/100g	Adrenal AB mg	Adrenal RE mg/100g	Pituitary gland AB mg	Pituitary gland RE mg/100g	Thyroid AB mg	Thyroid RE mg/100g	Testis AB g	Testis RE g/100g
10102	333	66.73	70	14.03	13.9	2.79	23.6	4.73	3.42	0.69
10105	453	97.00	53	11.35	12.6	2.70	22.2	4.75	3.13	0.67
10109	320	70.95	71	15.74	9.5	2.11	21.5	4.77	3.27	0.73
10110	362	85.78	55	13.03	10.8	2.56	24.3	5.76	3.24	0.77
10112	240	48.68	60	12.17	13.8	2.80	25.1	5.09	3.39	0.69
n	5	5	5	5	5	5	5	5	5	5
Mean	341.6	73.828	61.8	13.264	12.12	2.592	23.34	5.020	3.290	0.710
S.D.	77.0	18.513	8.3	1.705	1.93	0.286	1.48	0.439	0.118	0.040

Animal No.	Epididymis AB g	Epididymis RE g/100g	Prostate AB mg	Prostate RE mg/100g	Seminal vesicle AB g	Seminal vesicle RE g/100g	Brain AB g	Brain RE g/100g
10102	1.38	0.28	636	127.45	2.37	0.47	2.12	0.42
10105	1.38	0.30	906	194.00	2.16	0.46	2.14	0.46
10109	1.30	0.29	707	156.76	2.38	0.53	2.14	0.47
10110	1.24	0.29	668	158.29	2.40	0.57	2.15	0.51
10112	1.40	0.28	663	134.48	2.46	0.50	2.05	0.42
n	5	5	5	5	5	5	5	5
Mean	1.340	0.288	716.0	154.196	2.354	0.506	2.120	0.456
S.D.	0.068	0.008	109.2	26.037	0.114	0.045	0.041	0.038

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

Organ weight
Sex : Male
Stage : Recovery Day 15
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	Body weight g	Liver AB g	Liver RE g/100g	Kidney AB g	Kidney RE g/100g	Heart AB g	Heart RE g/100g	Spleen AB mg	Spleen RE mg/100g
10402	480	12.95	2.70	3.23	0.67	1.26	0.26	595	123.96
10404	479	13.02	2.72	3.20	0.67	1.47	0.31	709	148.02
10406	455	11.82	2.60	3.33	0.73	1.17	0.26	546	120.00
10407	460	10.46	2.27	2.93	0.64	1.29	0.28	616	133.91
10412	448	11.21	2.50	3.34	0.75	1.60	0.36	780	174.11
n	5	5	5	5	5	5	5	5	5
Mean	464.4	11.892	2.558	3.206	0.692	1.358	0.294	649.2	140.000
S.D.	14.4	1.108	0.183	0.166	0.046	0.174	0.042	94.0	21.921

Animal No.	Thymus AB mg	Thymus RE mg/100g	Adrenal AB mg	Adrenal RE mg/100g	Pituitary gland AB mg	Pituitary gland RE mg/100g	Thyroid AB mg	Thyroid RE mg/100g	Testis AB g	Testis RE g/100g
10402	250	52.08	59	12.29	12.4	2.58	19.1	3.98	3.45	0.72
10404	321	67.01	63	13.15	12.4	2.59	28.7	5.99	3.38	0.71
10406	292	64.18	53	11.65	9.0	1.98	18.3	4.02	2.96	0.65
10407	412	89.57	50	10.87	12.1	2.63	25.5	5.54	3.49	0.76
10412	386	86.16	64	14.29	10.4	2.32	24.7	5.51	3.08	0.69
n	5	5	5	5	5	5	5	5	5	5
Mean	332.2	71.800	57.8	12.450	11.26	2.420	23.26	5.008	3.272	0.706
S.D.	66.6	15.747	6.1	1.326	1.51	0.275	4.43	0.940	0.237	0.040

Animal No.	Epididymis AB g	Epididymis RE g/100g	Prostate AB mg	Prostate RE mg/100g	Seminal vesicle AB g	Seminal vesicle RE g/100g	Brain AB g	Brain RE g/100g
10402	1.31	0.27	841	175.21	2.16	0.45	2.17	0.45
10404	1.42	0.30	756	157.83	2.09	0.44	2.27	0.47
10406	1.33	0.29	696	152.97	1.95	0.43	2.10	0.46
10407	1.35	0.29	803	174.57	2.26	0.49	2.13	0.46
10412	1.26	0.28	580	129.46	2.48	0.55	2.11	0.47
n	5	5	5	5	5	5	5	5
Mean	1.334	0.286	735.2	158.008	2.188	0.472	2.156	0.462
S.D.	0.059	0.011	102.3	18.779	0.198	0.049	0.069	0.008

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

Organ weight
Sex : Female (satellite)
Stage : Recovery Day 15
Dose : 2-Methylpentane 0 mg/kg
Species : Rat

Animal No.	Body weight g	Liver AB g	Liver RE g/100g	Kidney AB g	Kidney RE g/100g	Heart AB g	Heart RE g/100g	Spleen AB mg	Spleen RE mg/100g
50556	278	7.07	2.54	1.81	0.65	0.83	0.30	468	168.35
50557	258	6.99	2.71	1.81	0.70	0.97	0.38	451	174.81
50558	245	6.54	2.67	1.89	0.77	1.00	0.41	498	203.27
50559	240	6.41	2.67	1.70	0.71	0.81	0.34	384	160.00
50560	277	7.36	2.66	2.15	0.78	0.86	0.31	636	229.60
n	5	5	5	5	5	5	5	5	5
Mean	259.6	6.874	2.650	1.872	0.722	0.894	0.348	487.4	187.206
S.D.	17.6	0.392	0.064	0.169	0.054	0.086	0.047	93.0	28.743

Animal No.	Thymus AB mg	Thymus RE mg/100g	Adrenal AB mg	Adrenal RE mg/100g	Pituitary gland AB mg	Pituitary gland RE mg/100g	Thyroid AB mg	Thyroid RE mg/100g	Ovary AB mg	Ovary RE mg/100g
50556	340	122.30	83	29.86	17.2	6.19	21.5	7.73	97	34.89
50557	378	146.51	74	28.68	20.4	7.91	14.8	5.74	88	34.11
50558	450	183.67	85	34.69	14.3	5.84	11.0	4.49	146	59.59
50559	331	137.92	76	31.67	14.1	5.88	21.2	8.83	81	33.75
50560	447	161.37	79	28.52	15.8	5.70	13.9	5.02	135	48.74
n	5	5	5	5	5	5	5	5	5	5
Mean	389.2	150.354	79.4	30.684	16.36	6.304	16.48	6.362	109.4	42.216
S.D.	56.9	23.387	4.6	2.569	2.58	0.915	4.66	1.848	29.2	11.570

Animal No.	Uterus AB mg	Uterus RE mg/100g	Brain AB g	Brain RE g/100g
50556	689	247.84	1.95	0.70
50557	485	187.98	1.95	0.76
50558	882	360.00	2.20	0.90
50559	441	183.75	1.95	0.81
50560	539	194.58	1.93	0.70
n	5	5	5	5
Mean	607.2	234.830	1.996	0.774
S.D.	179.9	74.601	0.114	0.084

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

Organ weight
Sex : Female (satellite)
Stage : Recovery Day 15
Dose : 2-Methylpentane 1000 mg/kg
Species : Rat

Animal No.	Body weight g	Liver AB g	Liver RE g/100g	Kidney AB g	Kidney RE g/100g	Heart AB g	Heart RE g/100g	Spleen AB mg	Spleen RE mg/100g
50656	269	6.87	2.55	1.80	0.67	0.92	0.34	461	171.38
50657	270	6.51	2.41	1.87	0.69	0.84	0.31	388	143.70
50658	265	7.67	2.89	1.82	0.69	0.90	0.34	472	178.11
50659	276	7.19	2.61	2.01	0.73	0.87	0.32	469	169.93
50660	284	7.48	2.63	1.99	0.70	1.02	0.36	441	155.28
n	5	5	5	5	5	5	5	5	5
Mean	272.8	7.144	2.618	1.898	0.696	0.910	0.334	446.2	163.680
S.D.	7.4	0.466	0.175	0.097	0.022	0.069	0.019	34.7	13.931

Animal No.	Thymus AB mg	Thymus RE mg/100g	Adrenal AB mg	Adrenal RE mg/100g	Pituitary gland AB mg	Pituitary gland RE mg/100g	Thyroid AB mg	Thyroid RE mg/100g	Ovary AB mg	Ovary RE mg/100g
50656	456	169.52	67	24.91	13.0	4.83	16.2	6.02	78	29.00
50657	306	113.33	65	24.07	11.6	4.30	16.9	6.26	105	38.89
50658	262	98.87	70	26.42	14.3	5.40	15.3	5.77	120	45.28
50659	379	137.32	94	34.06	22.3	8.08	22.8	8.26	95	34.42
50660	230	80.99	101	35.56	17.9	6.30	21.3	7.50	110	38.73
n	5	5	5	5	5	5	5	5	5	5
Mean	326.6	120.006	79.4	29.004	15.82	5.782	18.50	6.762	101.6	37.264
S.D.	91.4	34.514	16.8	5.393	4.31	1.483	3.33	1.069	16.0	6.030

Animal No.	Uterus AB mg	Uterus RE mg/100g	Brain AB g	Brain RE g/100g
50656	943	350.56	2.22	0.83
50657	401	148.52	2.10	0.78
50658	630	237.74	2.09	0.79
50659	447	161.96	2.01	0.73
50660	474	166.90	2.10	0.74
n	5	5	5	5
Mean	579.0	213.136	2.104	0.774
S.D.	220.9	84.295	0.075	0.040

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

Histopathological findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10101

Lung
Findings : Finding present
Mineralization, artery
Slight

Kidney
Finding Comment : alpha-2u-globulin antubody negative

Finding absent : Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, 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 : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10103

Liver
Findings : Finding present
Microgranuloma
Slight

Kidney (left)
Findings : Finding present
Cyst
Slight

Prostate
Findings : Finding present
Lymphocyte infiltration
Mild

Finding absent : Lung, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, 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

Histopathological findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10104

Lung
Findings : Finding present
Mineralization, artery
Slight

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight

Pituitary gland
Findings : Finding present
Cyst, pars intermedia
Slight

Thyroid (left)
Findings : Finding present
Ultimobranchial body
Slight

Finding absent : Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, 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, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10106

Liver
Findings : Finding present
Microgranuloma
Slight

Heart
Findings : Finding present
Focal inflammatory cell Infiltration
Slight

Kidney (right)
Findings : Finding present
Hyaline cast
Slight
Basophilic change, renal tubule
Slight

Finding absent : Lung, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, 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

Histopathological findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10107

Epididymis (left)
Findings : Finding present
Sperm granuloma
Slight

Prostate
Findings : Finding present
Lymphocyte infiltration
Slight

Finding absent : Lung, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart,Kidney, Urinary bladder, Testis, 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 : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10108

Liver
Findings : Finding present
Microgranuloma
Slight

Pituitary gland
Findings : Finding present
Cyst, pars distalis
Slight

Finding absent : Lung, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, 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, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10111

Heart
Findings : Finding present
Focal inflammatory cell Infiltration
Slight

Prostate
Findings : Finding present
Lymphocyte infiltration
Slight

Finding absent : Lung, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, 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
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10201

Kidney (right)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Mild

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Mild

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10202

Kidney (right)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Mild

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Mild

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10203

Kidney (right)
Findings : Finding present
Lymphoid infiltration, interstitium
Slight
Hyaline droplet, proximal tubular epithelium
Slight

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Slight

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10204

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight

Kidney (left)
Findings : Finding present
Basophilic change, renal tubule
Slight

Histopathological findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10205

Kidney (right)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Mild

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Moderate

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10206

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Moderate

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Moderate

Finding Comment : alpha-2u-globulin antubody positive, PAS stain negative

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10207

Kidney (right)
Findings : Finding present
Mineralization
Slight
Hyaline droplet, proximal tubular epithelium
Mild

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Mild

Finding Comment : alpha-2u-globulin antubody positive

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10208

Kidney (right)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Moderate

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Moderate

Histopathological findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10209

Kidney (right)
Findings : Finding present
Hyaline cast
Slight
Hyaline droplet, proximal tubular epithelium
Mild

Kidney (left)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Mild

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10210

Kidney (right)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Mild

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Mild

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10211

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Mild

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Mild

Test article : 2-Methylpentane Dose : 100 mg/kg Animal No. : 10212

Kidney (right)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Moderate

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Mild

Histopathological findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10301

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Moderate

Kidney (left)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Moderate

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10302

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Severe

Kidney (left)
Findings : Finding present
Hyaline cast
Slight
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Severe

Finding Comment : alpha-2u-globulin antubody positive

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10303

Kidney (right)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Moderate

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Moderate

Histopathological findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10304

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Severe

Kidney (left)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Severe

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10305

Kidney (right)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Moderate

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Moderate

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10306

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Mild

Kidney (left)
Findings : Finding present
Lymphoid infiltration, interstitium
Slight
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Mild

Histopathological findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10307

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Severe

Kidney (left)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Severe

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10308

Kidney (right)
Findings : Finding present
Lymphoid infiltration, interstitium
Slight
Hyaline droplet, proximal tubular epithelium
Mild

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Moderate

Finding Comment : alpha-2u-globulin antubody positive

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10309

Kidney (right)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Mild

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Mild

Histopathological findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10310

Kidney (right)
Findings : Finding present
Hyaline cast
Slight
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Severe

Kidney (left)
Findings : Finding present
Hyaline cast
Slight
Hyaline droplet, proximal tubular epithelium
Severe

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10311

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Moderate

Kidney (left)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Moderate

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 10312

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Moderate

Kidney (left)
Findings : Finding present
Hyaline cast
Slight
Hyaline droplet, proximal tubular epithelium
Moderate

Histopathological findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10401

Kidney (right)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Severe

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Severe

Finding Comment : alpha-2u-globulin antubody positive

Prostate
Findings : Finding present
Lymphocyte infiltration
Slight

Finding absent : Lung, 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

Histopathological findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10403

Liver
Findings : Finding present
Microgranuloma
Slight

Kidney (right)
Findings : Finding present
Hyaline cast
Slight
Lymphoid infiltration, interstitium
Slight
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Severe

Kidney (left)
Findings : Finding present
Hyaline cast
Slight
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Severe

Thyroid (right)
Findings : Finding present
Ultimobranchial body
Slight

Finding absent : Lung, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Heart, 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
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10405

Lung
Findings : Finding present
Mineralization, artery
Slight

Heart
Findings : Finding present
Focal inflammatory cell Infiltration
Slight

Kidney (right)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Moderate

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Moderate

Finding absent : Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver
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 : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10409

Lung
Findings : Finding present
Mineralization, artery
Slight

Liver
Findings : Finding present
Microgranuloma
Slight

Kidney (right)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Moderate

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Moderate

Finding Comment : alpha-2u-globulin antubody positive, PAS stain negative

Finding absent : Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas,
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

Histopathological findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10410

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Severe

Kidney (left)
Findings : Finding present
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Severe

Prostate
Findings : Finding present
Lymphocyte infiltration
Slight

Finding absent : Lung, 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

Histopathological findings
Sex : Male Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10411

Lung
Findings : Finding present
Aggregation, macrophage, alveolar
Slight

Liver
Findings : Finding present
Microgranuloma
Slight

Kidney (right)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Severe

Kidney (left)
Findings : Finding present
Hyaline droplet, proximal tubular epithelium
Severe

Prostate
Findings : Finding present
Lymphocyte infiltration
Slight

Finding absent : Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, 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

Histopathological findings
Sex : Male Stage : Dead (Day 7) Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10408

Lung
Findings : Finding present
Infiltration, inflammatory cell
Slight
Animal Comment : right anterior lobe

Liver
Findings : Finding present
Centrilobular necrosis
Slight

Heart
Findings : Finding present
Focal inflammatory cell Infiltration
Slight

Kidney (right)
Findings : Finding present
Lymphoid infiltration, interstitium
Slight
Mineralization
Slight
Basophilic change, renal tubule
Slight
Hyaline droplet, proximal tubular epithelium
Severe

Kidney (left)
Findings : Finding present
Mineralization
Slight
Hyaline droplet, proximal tubular epithelium
Severe

Prostate
Findings : Finding present
Lymphocyte infiltration
Slight

Thymus
Findings : Finding present
Atrophy
Slight
Inflammation
Slight

Pituitary gland
Findings : Finding present
Cyst, pars distalis
Slight

Histopathological findings
Sex : Male Stage : Dead (Day 7) Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10408

Pericardial
Findings : Finding present
Pericarditis
Slight

Finding absent : Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Urinary bladder, Testis, Epididymis, Seminal vesicle, Coagulating gland, Cerebrum, Cerebellum, Pons, Spinal cord, Sciatic nerve, Spleen, Bone marrow, femur, Submandibular lymph node, Mesenteric lymph node, Peyer's patch, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland

Histopathological findings
Sex : Female Stage : Lactation day 5 Species : Rat

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50151

Thyroid (left)
Findings : Finding present
Ultimobranchial body
Slight

Parathyroid
Findings : Finding absent
Animal Comment : right parathyroid : missing

Finding absent : Lung, 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 : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50152

Liver
Findings : Finding absent
Microgranuloma
Slight

Finding absent : Lung, 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 : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50153

Liver
Findings : Finding absent
Microgranuloma
Slight

Kidney (left)
Findings : Finding present
Mineralization
Slight

Finding absent : Lung, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Heart, 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 Stage : Lactation day 5 Species : Rat

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50154

Thyroid (right)
Findings : Finding present
Ultimobranchial body
Slight

Finding absent : Lung, 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 : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50155

Liver
Findings : Finding absent
Microgranuloma
Slight

Peyer's patch
Findings : Finding absent
Mineralization
Slight

Finding absent : Lung, 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, Pituitary gland, Thyroid, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50156

Finding absent : Lung, 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 : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50157

Thyroid (left)
Findings : Finding present
Ultimobranchial body
Slight

Finding absent : Lung, 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
Sex : Female Stage : Lactation day 5 Species : Rat

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50158

Liver
Findings : Finding absent
Microgranuloma
Slight

Thyroid (right)
Findings : Finding present
Ultimobranchial body
Slight

Thyroid (left)
Findings : Finding present
Ultimobranchial body
Slight

Parathyroid
Findings : Finding absent
Animal Comment : left parathyroid : missing

Finding absent : Lung, 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, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50160

Kidney (right)
Findings : Finding present
Pyelitis
Slight

Finding absent : Lung, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, 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 Stage : Lactation day 5 Species : Rat

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50161

Lung
Findings : Finding present
Aggregation, macrophage, alveolar
Slight

Kidney (right)
Findings : Finding present
Pyelitis
Slight

Pituitary gland
Findings : Finding present
Cyst, pars intermedia
Slight

Thyroid (right)
Findings : Finding present
Ultimobranchial body
Slight

Parathyroid
Findings : Finding absent
Animal Comment : right parathyroid : missing

Finding absent : Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, 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, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland

Histopathological findings
Sex : Female Stage : Lactation day 5 Species : Rat

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 50354

Skin
Findings : Finding present
Animal Comment : left inguina, subcutaneous mass
Adenocarcinoma
Non-graded finding

Test article : 2-Methylpentane Dose : 300 mg/kg Animal No. : 50362

Skin
Findings : Finding present
Animal Comment : left axilla, subcutaneous mass
Adenocarcinoma
Non-graded finding

Histopathological findings
Sex : Female Stage : Lactation day 5 Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50451

Lung
Findings : Finding present
Mineralization, artery
Slight

Thyroid (right)
Findings : Finding present
Ultimobranchial body
Slight

Finding absent : 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 : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50452

Finding absent : Lung, 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 : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50453

Kidney (right)
Findings : Finding present
Lymphoid infiltration, interstitium
Slight

Finding absent : Lung, Trachea, Submandibular gland, Esophagus, Stomach, Duodenum, Jejunum, Ileum, Cecum, Colon, Rectum, Pancreas, Liver, Heart, 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 : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50454

Thyroid (left)
Findings : Finding present
Ultimobranchial body
Slight

Finding absent : Lung, 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
Sex : Female Stage : Lactation day 5 Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50455

Thyroid (left)
Findings : Finding present
Ultimobranchial body
Slight

Finding absent : Lung, 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 : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50456

Liver
Findings : Finding present
Microgranuloma
Slight

Peyer's patch
Findings : Finding present
Mineralization
Slight

Thyroid (right)
Findings : Finding present
Ultimobranchial body
Slight

Finding absent : Lung, 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, Pituitary gland, Parathyroid, Adrenal, Eyeball, Harderian gland, Skeletal muscle, Femur, Mammary gland

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50457

Lung
Findings : Finding present
Mineralization, artery
Slight

Finding absent : 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 Stage : Lactation day 5 Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50458

Finding absent : Lung, 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 : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50459

Finding absent : Lung, 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 : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50460

Thyroid (right)
Findings : Finding present
Ultimobranchial body
Slight

Finding absent : Lung, 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 : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50461

Finding absent : Lung, 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 : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50462

Mammary gland
Findings : Finding present
Cell infiltration, focal
Slight

Finding absent : Lung, 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

Histopathological findings
Sex : Female Stage : Non-pregnancy Species : Rat

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50159

Liver
Findings : Finding present
Vacuolation, periportal
Slight

Finding absent : Lung, 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 : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50162

Finding absent : Lung, 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 : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50551

Liver
Findings : Finding present
Microgranuloma
Slight

Finding absent : Lung, 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 : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50552

Liver
Findings : Finding present
Microgranuloma
Slight

Thyroid (left)
Findings : Finding present
Ultimobranchial body
Slight

Finding absent : Lung, 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

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50553

Finding absent : Lung, 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 : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50554

Finding absent : Lung, 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 : 2-Methylpentane Dose : 0 mg/kg Animal No. : 50555

Finding absent : Lung, 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 : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50651

Liver
Findings : Finding present
Microgranuloma
Slight

Finding absent : Lung, 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 : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50652

Thyroid (right)
Findings : Finding present
Ultimobranchial body
Slight

Finding absent : Lung, 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 : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50653

Liver
Findings : Finding present
Microgranuloma
Slight

Finding absent : Lung, 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

Histopathological findings
Sex : Female (satellite) Stage : Day 29 Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50654

Liver
Findings : Finding present
Vacuolation, periportal
Slight

Finding absent : Lung, 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 : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 50655

Liver
Findings : Finding present
Vacuolation, periportal
Slight

Finding absent : Lung, 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

Histopathological findings
Sex : Male Stage : Recovery day 15 Species : Rat

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10102

Kidney (right)
Findings : Finding present
Lymphoid infiltration, interstitium
Slight

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10105

Kidney (right)
Findings : Finding present
Lymphoid infiltration, interstitium
Slight

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10109 Infertility

Kidney (right)
Findings : Finding present
Hyaline cast
Slight

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10110

Kidney (right)
Findings : Finding present
Mineralization
Slight

Test article : 2-Methylpentane Dose : 0 mg/kg Animal No. : 10112 Infertility

Kidney (right)
Findings : Finding present
Lymphoid infiltration, interstitium
Slight
Basophilic change, renal tubule
Slight
Kidney (left)
Findings : Finding present
Hyaline cast
Slight
Basophilic change, renal tubule
Slight

Histopathological findings
Sex : Male Stage : Recovery day 15 Species : Rat

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10402

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10404

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight
Kidney (left)
Findings : Finding present
Basophilic change, renal tubule
Slight

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10406

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight
Kidney (left)
Findings : Finding present
Basophilic change, renal tubule
Slight

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10407

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight
Kidney (left)
Findings : Finding present
Mineralization
Slight
Basophilic change, renal tubule
Slight

Test article : 2-Methylpentane Dose : 1000 mg/kg Animal No. : 10412

Kidney (right)
Findings : Finding present
Basophilic change, renal tubule
Slight
Kidney (left)
Findings : Finding present
Basophilic change, renal tubule
Slight

Estrous cycles and copulation
Generation : F0 Dose : 2-Methylpentane 0 mg/kg Species : Rat

Animal No.	/Before mating (day) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	Length of estrous cycle (days)			Mean	Number of estrus	Animal with acyclic or irregular cycle
50151	P	E	M	D	P	E	M	D	P	E	E	M	D	P	4	4		4.0	3	-
50152	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50153	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50154	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50155	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
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	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50159	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50160	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50161	P	E	M	D	D	P	E	M	D	D	P	E	M	D	5	5		5.0	3	-
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

Generation : F0 Dose : 2-Methylpentane 100 mg/kg Species : Rat

Animal No.	/Before mating (day) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	Length of estrous cycle (days)			Mean	Number of estrus	Animal with acyclic or irregular cycle
50251	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50252	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50253	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
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	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50256	P	E	M	D	P	E	M	D	P	E	M	D	D	D	4	4		4.0	3	-
50257	D	P	E	M	D	E	M	D	P	E	M	D	P	E	3	4	4	3.7	4	+
50258	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50259	D	P	E	M	D	D	P	E	M	D	D	P	E	M	5	5		5.0	3	-
50260	D	D	P	E	M	D	D	P	E	E	M	D	D	P	5			5.0	2	-
50261	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
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

Estrous cycles and copulation

Generation : F0 Dose : 2-Methylpentane 300 mg/kg Species : Rat

Animal No.	/Before mating (day) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	Length of estrous cycle (days)			Mean	Number of estrus	Animal with acyclic or irregular cycle
50351	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50352	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50353	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50354	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50355	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50356	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50357	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50358	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50359	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50360	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50361	E	M	D	P	E	M	D	P	E	M	D	P	E	M	4	4	4	4.0	4	-
50362	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-

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 : 2-Methylpentane 1000 mg/kg Species : Rat

Animal No.	/Before mating (day) 1	2	3	4	5	6	7	8	9	10	11	12	13	14	Length of estrous cycle (days)			Mean	Number of estrus	Animal with acyclic or irregular cycle
50451	E	E	M	D	P	E	E	E	M	D	P	E	E	E	5	6		5.5	3	-
50452	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50453	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50454	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50455	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50456	M	D	P	E	M	D	P	E	M	D	P	E	M	D	4	4		4.0	3	-
50457	M	D	P	E	M	D	D	D	D	D	D	D	D	D					1	+
50458	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50459	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50460	D	P	E	M	D	P	E	M	D	P	E	M	D	P	4	4		4.0	3	-
50461	P	E	M	D	P	E	M	D	P	E	M	D	P	E	4	4	4	4.0	4	-
50462	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
Generation : F0 Dose : 2-Methylpentane 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	E													
	Y													
50152	M	D	P	E										
	N	N	N	Y										
50153	E													
	Y													
50154	E													
	Y													
50155	P	E												
	N	Y												
50156	M	D	D	D	D	D	D	D	D	D	D	D	P	E
	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
50157	M	D	P	E	M	D	P	E						
	N	N	N	N	N	N	N	Y						
50158	E													
	Y													
50159	E													
	Y													
50160	E													
	Y													
50161	P	E												
	N	Y												
50162	E													
	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 : 2-Methylpentane 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	M	D	P	E										
	N	N	N	Y										
50252	P	E												
	N	Y												
50253	M	D	P	E										
	N	N	N	Y										
50254	M	D	P	E										
	N	N	N	Y										
50255	M	D	P	E										
	N	N	N	Y										
50256	P	E												
	N	Y												
50257	E													
	Y													
50258	E													
	Y													
50259	D	P	E											
	N	N	Y											
50260	E													
	Y													
50261	M	D	P	E										
	N	N	N	Y										
50262	E													
	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 : 2-Methylpentane 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	P	E												
	N	Y												
50352	M	D	P	E										
	N	N	N	Y										
50353	M	D	P	E										
	N	N	N	Y										
50354	M	D	P	E										
	N	N	N	Y										
50355	E													
	Y													
50356	M	D	P	E										
	N	N	N	Y										
50357	E													
	Y													
50358	P	E												
	N	Y												
50359	E													
	Y													
50360	M	D	P	E										
	N	N	N	Y										
50361	D	P	E											
	N	N	Y											
50362	P	E												
	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 : 2-Methylpentane 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	E													
	Y													
50453	E													
	Y													
50454	E													
	Y													
50455	M	D	D	D	D	D	D	D	D	D	D	D	P	E
	N	N	N	N	N	N	N	N	N	N	N	N	N	Y
50456	P	E												
	N	Y												
50457	D	E												
	N	Y												
50458	P	E	M	D	P	E								
	N	N	N	N	N	Y								
50459	M	D	P	E										
	N	N	N	Y										
50460	E													
	Y													
50461	M	D	P	E										
	N	N	N	Y										
50462	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
Animal No. 50458 : Cohabitation was started 2 days after the start of the mating period (data of the initiation day of the mating and the following day were M and D, respectively).

Reproductive performance
Generation : F0 Sex : Male Dose : 2-Methylpentane 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	1	50151	+	+	///	///	///	+	+
10102	4	50152	+	+	///	///	///	+	+
10103	1	50153	+	+	///	///	///	+	+
10104	1	50154	+	+	///	///	///	+	+
10105	2	50155	+	+	///	///	///	+	+
10106	14	50156	+	+	///	///	///	+	+
10107	8	50157	+	+	///	///	///	+	+
10108	1	50158	+	+	///	///	///	+	+
10109	1	50159	+	-	///	///	///	+	-
10110	1	50160	+	+	///	///	///	+	+
10111	2	50161	+	+	///	///	///	+	+
10112	1	50162	+	-	///	///	///	+	-
n	12		12	12		0	0	12	12
Mean	3.1								
S.D.	4.0								
No. of positives			12	10				12	10
%			100.0	83.3				100.0	83.3

/// : No need to input/measure

Reproductive performance
Generation : F0 Sex : Male Dose : 2-Methylpentane 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	4	50253	+	+	///	///	///	+	+
10204	4	50254	+	+	///	///	///	+	+
10205	4	50255	+	+	///	///	///	+	+
10206	2	50256	+	+	///	///	///	+	+
10207	1	50257	+	+	///	///	///	+	+
10208	1	50258	+	+	///	///	///	+	+
10209	3	50259	+	+	///	///	///	+	+
10210	1	50260	+	+	///	///	///	+	+
10211	4	50261	+	+	///	///	///	+	+
10212	1	50262	+	+	///	///	///	+	+
n	12		12	12		0	0	12	12
Mean	2.6								
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 : 2-Methylpentane 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	2	50351	+	+	///	///	///	+	+
10302	4	50352	+	+	///	///	///	+	+
10303	4	50353	+	+	///	///	///	+	+
10304	4	50354	+	+	///	///	///	+	+
10305	1	50355	+	+	///	///	///	+	+
10306	4	50356	+	+	///	///	///	+	+
10307	1	50357	+	+	///	///	///	+	+
10308	2	50358	+	+	///	///	///	+	+
10309	1	50359	+	+	///	///	///	+	+
10310	4	50360	+	+	///	///	///	+	+
10311	3	50361	+	+	///	///	///	+	+
10312	2	50362	+	+	///	///	///	+	+
n	12		12	12		0	0	12	12
Mean	2.7								
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 : 2-Methylpentane 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	+	+	///	///	///	+	+
10401 a)	(6)	50458	(+)	(+)	///	///	///	(+)	(+)
10402	1	50452	+	+	///	///	///	+	+
10403	1	50453	+	+	///	///	///	+	+
10404	1	50454	+	+	///	///	///	+	+
10405	14	50455	+	+	///	///	///	+	+
10406	2	50456	+	+	///	///	///	+	+
10407	2	50457	+	+	///	///	///	+	+
10409	4	50459	+	+	///	///	///	+	+
10410	1	50460	+	+	///	///	///	+	+
10411	4	50461	+	+	///	///	///	+	+
10412	4	50462	+	+	///	///	///	+	+
n	11		11	11		0	0	11	11
Mean	3.2								
S.D.	3.8								
No. of positives			11	11				11	11
%			100.0	100.0				100.0	100.0

/// : No need to input/measure

a) : Animal No.10401 was also mated with Animal No.50458 because the number of males was one less than that of females (data in parentheses are excluded from calculation).

Reproductive performance
Generation : F0 Sex : Female Dose : 2-Methylpentane 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	1	10101	+	+	///	///	///	+	+
50152	4	10102	+	+	///	///	///	+	+
50153	1	10103	+	+	///	///	///	+	+
50154	1	10104	+	+	///	///	///	+	+
50155	2	10105	+	+	///	///	///	+	+
50156	14	10106	+	+	///	///	///	+	+
50157	8	10107	+	+	///	///	///	+	+
50158	1	10108	+	+	///	///	///	+	+
50159	1	10109	+	-	///	///	///	+	-
50160	1	10110	+	+	///	///	///	+	+
50161	2	10111	+	+	///	///	///	+	+
50162	1	10112	+	-	///	///	///	+	-
n	12		12	12		0	0	12	12
Mean	3.1								
S.D.	4.0								
No. of positives			12	10				12	10
%			100.0	83.3				100.0	83.3

/// : No need to input/measure

Reproductive performance
Generation : F0 Sex : Female Dose : 2-Methylpentane 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	4	10203	+	+	///	///	///	+	+
50254	4	10204	+	+	///	///	///	+	+
50255	4	10205	+	+	///	///	///	+	+
50256	2	10206	+	+	///	///	///	+	+
50257	1	10207	+	+	///	///	///	+	+
50258	1	10208	+	+	///	///	///	+	+
50259	3	10209	+	+	///	///	///	+	+
50260	1	10210	+	+	///	///	///	+	+
50261	4	10211	+	+	///	///	///	+	+
50262	1	10212	+	+	///	///	///	+	+
n	12		12	12		0	0	12	12
Mean	2.6								
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 : 2-Methylpentane 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	2	10301	+	+	///	///	///	+	+
50352	4	10302	+	+	///	///	///	+	+
50353	4	10303	+	+	///	///	///	+	+
50354	4	10304	+	+	///	///	///	+	+
50355	1	10305	+	+	///	///	///	+	+
50356	4	10306	+	+	///	///	///	+	+
50357	1	10307	+	+	///	///	///	+	+
50358	2	10308	+	+	///	///	///	+	+
50359	1	10309	+	+	///	///	///	+	+
50360	4	10310	+	+	///	///	///	+	+
50361	3	10311	+	+	///	///	///	+	+
50362	2	10312	+	+	///	///	///	+	+
n	12		12	12		0	0	12	12
Mean	2.7								
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 : 2-Methylpentane 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	1	10402	+	+	///	///	///	+	+
50453	1	10403	+	+	///	///	///	+	+
50454	1	10404	+	+	///	///	///	+	+
50455	14	10405	+	+	///	///	///	+	+
50456	2	10406	+	+	///	///	///	+	+
50457	2	10407	+	+	///	///	///	+	+
50458	6	10401	+	+	///	///	///	+	+
50459	4	10409	+	+	///	///	///	+	+
50460	1	10410	+	+	///	///	///	+	+
50461	4	10411	+	+	///	///	///	+	+
50462	4	10412	+	+	///	///	///	+	+
n	12		12	12		0	0	12	12
Mean	3.4								
S.D.	3.7								
No. of positives			12	12				12	12
%			100.0	100.0				100.0	100.0

/// : No need to input/measure

Delivery data
Generation : F0 Dose : 2-Methylpentane 0 mg/kg Species : Rat

Dam No.	Gestation period (day)	Number of implantation	Birth index (%)	Number of offspring	Number of live newborns			Number of dead newborns											
								Dead				Cannibalism				Total			
					M	F	Total	M	F	U	Total	M	F	U	Total	M	F	U	Total
50151	22	16(10/6)	87.5	14	4	10	14	0	0	0	0	0	0	0	0	0	0	0	0
50152	22	16(10/6)	100.0	16	6	10	16	0	0	0	0	0	0	0	0	0	0	0	0
50153	22	18(5/13)	83.3	16	6	9	15	0	1	0	1	0	0	0	0	0	1	0	1
50154	22	13(8/5)	76.9	10	3	7	10	0	0	0	0	0	0	0	0	0	0	0	0
50155	22	13(7/6)	100.0	13	5	8	13	0	0	0	0	0	0	0	0	0	0	0	0
50156	22	20(8/12)	90.0	18	6	12	18	0	0	0	0	0	0	0	0	0	0	0	0
50157	22	15(11/4)	100.0	15	7	8	15	0	0	0	0	0	0	0	0	0	0	0	0
50158	22	16(8/8)	100.0	16	6	10	16	0	0	0	0	0	0	0	0	0	0	0	0
50160	22	7(4/3)	85.7	6	2	4	6	0	0	0	0	0	0	0	0	0	0	0	0
50161	24	10(6/4)	90.0	9	6	3	9	0	0	0	0	0	0	0	0	0	0	0	0
n	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Mean	22.20	14.4	91.34	13.3	5.1	8.1	13.2	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
S.D.	0.63	3.8	8.32	3.8	1.6	2.8	3.7	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3

(/) : Number of implantation Right/Left, M : Male, F : Female, U : Unable to be sexed

Delivery data
Generation : F0 Dose : 2-Methylpentane 100 mg/kg Species : Rat

Dam No.	Gestation period (day)	Number of implantation	Birth index (%)	Number of offspring	Number of live newborns			Number of dead newborns											
								Dead				Cannibalism				Total			
					M	F	Total	M	F	U	Total	M	F	U	Total	M	F	U	Total
50251	22	16(8/8)	100.0	16	9	7	16	0	0	0	0	0	0	0	0	0	0	0	0
50252	22	18(10/8)	100.0	18	9	9	18	0	0	0	0	0	0	0	0	0	0	0	0
50253	22	19(12/7)	89.5	17	11	6	17	0	0	0	0	0	0	0	0	0	0	0	0
50254	22	16(5/11)	93.8	15	11	4	15	0	0	0	0	0	0	0	0	0	0	0	0
50255	22	16(12/4)	87.5	14	7	7	14	0	0	0	0	0	0	0	0	0	0	0	0
50256	22	17(8/9)	82.4	14	4	10	14	0	0	0	0	0	0	0	0	0	0	0	0
50257	22	18(11/7)	83.3	15	8	7	15	0	0	0	0	0	0	0	0	0	0	0	0
50258	23	17(9/8)	76.5	13	7	6	13	0	0	0	0	0	0	0	0	0	0	0	0
50259	22	16(7/9)	93.8	15	8	7	15	0	0	0	0	0	0	0	0	0	0	0	0
50260	23	17(10/7)	88.2	16	8	7	15	0	1	0	1	0	0	0	0	0	1	0	1
50261	23	13(8/5)	100.0	13	9	4	13	0	0	0	0	0	0	0	0	0	0	0	0
50262	22	21(12/9)	85.7	18	12	6	18	0	0	0	0	0	0	0	0	0	0	0	0
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Mean	22.25	17.0	90.06	15.3	8.6	6.7	15.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
S.D.	0.45	2.0	7.64	1.7	2.2	1.7	1.7	0.0	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3

(/) : Number of implantation Right/Left, M : Male, F : Female, U : Unable to be sexed

Delivery data
Generation : F0 Dose : 2-Methylpentane 300 mg/kg Species : Rat

Dam No.	Gestation period (day)	Number of implantation	Birth index (%)	Number of offspring	Number of live newborns			Number of dead newborns											
								Dead				Cannibalism				Total			
					M	F	Total	M	F	U	Total	M	F	U	Total	M	F	U	Total
50351	22	14(5/9)	85.7	14	4	8	12	1	1	0	2	0	0	0	0	1	1	0	2
50352	22	19(12/7)	84.2	16	7	9	16	0	0	0	0	0	0	0	0	0	0	0	0
50353	23	17(6/11)	100.0	17	9	8	17	0	0	0	0	0	0	0	0	0	0	0	0
50354	22	18(9/9)	88.9	16	8	8	16	0	0	0	0	0	0	0	0	0	0	0	0
50355	22	14(7/7)	92.9	13	11	2	13	0	0	0	0	0	0	0	0	0	0	0	0
50356	22	19(8/11)	100.0	19	7	12	19	0	0	0	0	0	0	0	0	0	0	0	0
50357	22	13(6/7)	92.3	12	5	7	12	0	0	0	0	0	0	0	0	0	0	0	0
50358	22	15(5/10)	100.0	15	6	9	15	0	0	0	0	0	0	0	0	0	0	0	0
50359	23	16(11/5)	75.0	13	7	5	12	0	1	0	1	0	0	0	0	0	1	0	1
50360	22	17(7/10)	100.0	17	6	11	17	0	0	0	0	0	0	0	0	0	0	0	0
50361	22	19(6/13)	89.5	17	10	7	17	0	0	0	0	0	0	0	0	0	0	0	0
50362	23	17(12/5)	88.2	17	9	6	15	0	2	0	2	0	0	0	0	0	2	0	2
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Mean	22.25	16.5	91.39	15.5	7.4	7.7	15.1	0.1	0.3	0.0	0.4	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.4
S.D.	0.45	2.1	7.82	2.1	2.1	2.6	2.4	0.3	0.7	0.0	0.8	0.0	0.0	0.0	0.0	0.3	0.7	0.0	0.8

(/) : Number of implantation Right/Left, M : Male, F : Female, U : Unable to be sexed

Delivery data
Generation : F0 Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Dam No.	Gestation period (day)	Number of implantation	Birth index (%)	Number of offspring	Number of live newborns			Number of dead newborns											
								Dead				Cannibalism				Total			
					M	F	Total	M	F	U	Total	M	F	U	Total	M	F	U	Total
50451	23	5(0/5)	100.0	5	4	1	5	0	0	0	0	0	0	0	0	0	0	0	0
50452	22	17(5/12)	88.2	15	9	6	15	0	0	0	0	0	0	0	0	0	0	0	0
50453	22	14(7/7)	100.0	14	6	8	14	0	0	0	0	0	0	0	0	0	0	0	0
50454	22	18(10/8)	94.4	17	9	8	17	0	0	0	0	0	0	0	0	0	0	0	0
50455	22	15(4/11)	100.0	15	9	6	15	0	0	0	0	0	0	0	0	0	0	0	0
50456	22	16(8/8)	87.5	14	6	8	14	0	0	0	0	0	0	0	0	0	0	0	0
50457	22	16(8/8)	87.5	14	7	7	14	0	0	0	0	0	0	0	0	0	0	0	0
50458	22	17(8/9)	100.0	17	7	10	17	0	0	0	0	0	0	0	0	0	0	0	0
50459	23	13(8/5)	84.6	11	7	4	11	0	0	0	0	0	0	0	0	0	0	0	0
50460	22	17(7/10)	88.2	15	5	10	15	0	0	0	0	0	0	0	0	0	0	0	0
50461	23	13(6/7)	84.6	11	6	5	11	0	0	0	0	0	0	0	0	0	0	0	0
50462	23	18(12/6)	88.9	16	7	9	16	0	0	0	0	0	0	0	0	0	0	0	0
n	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Mean	22.33	14.9	91.99	13.7	6.8	6.8	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.D.	0.49	3.6	6.40	3.3	1.6	2.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(/) : Number of implantation Right/Left, M : Male, F : Female, U : Unable to be sexed

Delivery data
Generation : F0 Dose : 2-Methylpentane 0 mg/kg Species : Rat

Dam No.	Number of corpora lutea	Implantation index (%)
50151	17(10/7)	94.1
50152	16(10/6)	100.0
50153	18(5/13)	100.0
50154	13(8/5)	100.0
50155	13(7/6)	100.0
50156	20(8/12)	100.0
50157	15(11/4)	100.0
50158	16(8/8)	100.0
50160	8(5/3)	87.5
50161	10(6/4)	100.0
n	10	10
Mean	14.6	98.16
S.D.	3.7	4.18

(/) : Right/Left

Delivery data
Generation : F0 Dose : 2-Methylpentane 100 mg/kg Species : Rat

Dam No.	Number of corpora lutea	Implantation index (%)
50251	16(8/8)	100.0
50252	18(10/8)	100.0
50253	19(12/7)	100.0
50254	16(5/11)	100.0
50255	16(12/4)	100.0
50256	17(8/9)	100.0
50257	18(11/7)	100.0
50258	17(9/8)	100.0
50259	16(7/9)	100.0
50260	17(10/7)	100.0
50261	13(8/5)	100.0
50262	21(12/9)	100.0
n	12	12
Mean	17.0	100.00
S.D.	2.0	0.00

(/) : Right/Left

Delivery data
Generation : F0 Dose : 2-Methylpentane 300 mg/kg Species : Rat

Dam No.	Number of corpora lutea	Implantation index (%)
50351	14(5/9)	100.0
50352	19(12/7)	100.0
50353	17(6/11)	100.0
50354	18(9/9)	100.0
50355	14(7/7)	100.0
50356	19(8/11)	100.0
50357	13(6/7)	100.0
50358	16(6/10)	93.8
50359	17(11/6)	94.1
50360	17(7/10)	100.0
50361	19(6/13)	100.0
50362	18(12/6)	94.4
n	12	12
Mean	16.8	98.53
S.D.	2.1	2.67

(/) : Right/Left

Delivery data
Generation : F0 Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Dam No.	Number of corpora lutea	Implantation index (%)
50451	5(0/5)	100.0
50452	18(6/12)	94.4
50453	14(7/7)	100.0
50454	18(10/8)	100.0
50455	15(4/11)	100.0
50456	16(8/8)	100.0
50457	16(8/8)	100.0
50458	17(8/9)	100.0
50459	13(8/5)	100.0
50460	17(7/10)	100.0
50461	13(6/7)	100.0
50462	18(12/6)	100.0
n	12	12
Mean	15.0	99.53
S.D.	3.6	1.62

(/) : Right/Left

Delivery data (external examination of offspring) Unit : Number of anomalous offspring (incidence %) Day after birth : 0
Generation : F0 Dose : 2-Methylpentane 0 mg/kg Species : Rat

Dam No.	Number of offspring examined	/Findings
50151	14	No anomaly
50152	16	No anomaly
50153	15	No anomaly
50154	10	No anomaly
50155	13	No anomaly
50156	18	No anomaly
50157	15	No anomaly
50158	16	No anomaly
50160	6	No anomaly
50161	9	No anomaly
Total	132	
n	10	
Mean		
S.D.		

Mean : Average of incidence (%)

Delivery data (external examination of offspring) Unit : Number of anomalous offspring (incidence %) Day after birth : 0
Generation : F0 Dose : 2-Methylpentane 100 mg/kg Species : Rat

Dam No.	Number of offspring examined	/Findings
50251	16	No anomaly
50252	18	No anomaly
50253	17	No anomaly
50254	15	No anomaly
50255	14	No anomaly
50256	14	No anomaly
50257	15	No anomaly
50258	13	No anomaly
50259	15	No anomaly
50260	15	No anomaly
50261	13	No anomaly
50262	18	No anomaly
Total	183	
n	12	
Mean		
S.D.		

Mean : Average of incidence (%)

Delivery data (external examination of offspring) Unit : Number of anomalous offspring (incidence %) Day after birth : 0
Generation : F0 Dose : 2-Methylpentane 300 mg/kg Species : Rat

Dam No.	Number of offspring examined	/Findings
50351	12	No anomaly
50352	16	No anomaly
50353	17	No anomaly
50354	16	No anomaly
50355	13	No anomaly
50356	19	No anomaly
50357	12	No anomaly
50358	15	No anomaly
50359	12	No anomaly
50360	17	No anomaly
50361	17	No anomaly
50362	15	No anomaly
Total	181	
n	12	
Mean		
S.D.		

Mean : Average of incidence (%)

Delivery data (external examination of offspring)
Generation : F0

Unit : Number of anomalous offspring (incidence %)
Dose : 2-Methylpentane 1000 mg/kg

Day after birth : 0
Species : Rat

Dam No.	Number of offspring examined	/Findings
50451	5	No anomaly
50452	15	No anomaly
50453	14	No anomaly
50454	17	No anomaly
50455	15	No anomaly
50456	14	No anomaly
50457	14	No anomaly
50458	17	No anomaly
50459	11	No anomaly
50460	15	No anomaly
50461	11	No anomaly
50462	16	No anomaly
Total	164	
n	12	
Mean		
S.D.		

Mean : Average of incidence (%)

Clinical sign of offspring
Generation : F0 Dose : 2-Methylpentane 0 mg/kg Species : Rat

Dam No.		Number of offspring	/Day after birth 0	1	2	3	4
50151	Alive :	Male	4	4	4	4	4
		Female	10	10	10	10	10
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	4/10	4/10	4/10	4/10	4/10
50152	Alive :	Male	6	6	6	6	6
		Female	10	10	10	10	9
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/1/0
		Unknown	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
		Signs					
		No abnormality	6/10	6/10	6/10	6/10	6/9
50153	Alive :	Male	6	6	6	6	6
		Female	9	9	9	9	9
	Dead :	Dead	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
		Cannibalism	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
50154	Alive :	Male	3	3	3	3	3
		Female	7	7	7	7	7
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	3/7	3/7	3/7	3/7	3/7
50155	Alive :	Male	5	5	5	5	5
		Female	8	8	8	8	8
	Dead :	Dead	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
		Cannibalism	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	5/8
50156	Alive :	Male	6	6	6	6	6
		Female	12	12	12	12	12
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	6/12	6/12	6/12	6/12	6/12

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical sign of offspring
Generation : F0 Dose : 2-Methylpentane 0 mg/kg Species : Rat

Dam No.		Number of offspring	/Day after birth 0	1	2	3	4
50157	Alive :	Male	7	7	7	7	7
		Female	8	8	8	8	8
	Dead :	Dead	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
		Cannibalism	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
50158	Alive :	Male	6	6	6	6	6
		Female	10	10	10	10	10
	Dead :	Dead	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
		Cannibalism	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
50160	Alive :	Male	2	2	2	2	2
		Female	4	4	4	4	4
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	2/4	2/4	2/4	2/4	2/4
50161	Alive :	Male	6	6	6	6	6
		Female	3	3	3	3	3
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	6/3	6/3	6/3	6/3	6/3

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical sign of offspring
Generation : F0 Dose : 2-Methylpentane 100 mg/kg Species : Rat

Dam No.		Number of offspring	/Day after birth 0	1	2	3	4
50251	Alive :	Male	9	9	9	9	9
		Female	7	7	7	7	7
	Dead :	Dead	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
		Cannibalism	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
50252	Alive :	Male	9	9	9	9	9
		Female	9	9	9	9	7
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/1/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	0/1/0
		Cannibalism	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	9/7
50253	Alive :	Male	11	11	11	11	10
		Female	6	6	6	6	6
	Dead :	Dead	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
		Cannibalism	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	10/6
50254	Alive :	Male	11	11	11	11	11
		Female	4	4	4	4	4
	Dead :	Dead	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
		Cannibalism	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	11/4
50255	Alive :	Male	7	7	7	7	6
		Female	7	7	7	7	6
	Dead :	Dead	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	1/1/0
		Cannibalism	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	6/6
50256	Alive :	Male	4	4	4	4	3
		Female	10	10	10	10	10
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	4/10	4/10	4/10	4/10	3/10

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical sign of offspring
Generation : F0 Dose : 2-Methylpentane 100 mg/kg Species : Rat

Dam No.		Number of offspring	/Day after birth 0	1	2	3	4
50257	Alive :	Male	8	8	8	8	8
		Female	7	7	7	7	7
	Dead :	Dead	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
		Cannibalism	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
50258	Alive :	Male	7	7	7	7	7
		Female	6	6	6	6	6
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	7/6	7/6	7/6	7/6	7/6
50259	Alive :	Male	8	8	8	8	8
		Female	7	7	7	7	7
	Dead :	Dead	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
		Cannibalism	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
50260	Alive :	Male	8	8	8	8	8
		Female	7	7	7	7	7
	Dead :	Dead	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
		Cannibalism	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
50261	Alive :	Male	9	9	9	9	9
		Female	4	4	4	4	4
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	9/4	9/4	9/4	9/4	9/4
50262	Alive :	Male	12	12	12	12	12
		Female	6	6	6	6	5
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/1/0
		Unknown	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
		Signs					
		No abnormality	12/6	12/6	12/6	12/6	12/5

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical sign of offspring
Generation : F0 Dose : 2-Methylpentane 300 mg/kg Species : Rat

Dam No.		Number of offspring	/Day after birth 0	1	2	3	4
50351	Alive :	Male	4	4	4	4	4
		Female	8	8	8	8	8
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	4/8	4/8	4/8	4/8	4/8
50352	Alive :	Male	7	7	7	7	6
		Female	9	9	9	9	7
	Dead :	Dead	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	1/2/0
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	7/9	7/9	7/9	7/9	6/7
50353	Alive :	Male	9	9	9	9	8
		Female	8	8	8	8	7
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/1/0
		Unknown	0/0/0	0/0/0	0/0/0	0/0/0	1/0/0
		Cannibalism	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	8/7
50354	Alive :	Male	8	8	8	8	8
		Female	8	8	8	8	8
	Dead :	Dead	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
		Cannibalism	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
50355	Alive :	Male	11	11	11	11	11
		Female	2	2	2	2	2
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	11/2	11/2	11/2	11/2	11/2
50356	Alive :	Male	7	7	7	7	7
		Female	12	12	12	12	12
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	7/12	7/12	7/12	7/12	7/12

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical sign of offspring
Generation : F0 Dose : 2-Methylpentane 300 mg/kg Species : Rat

Dam No.		Number of offspring	/Day after birth 0	1	2	3	4
50357	Alive :	Male	5	5	5	5	5
		Female	7	7	7	7	7
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	5/7	5/7	5/7	5/7	5/7
50358	Alive :	Male	6	6	6	6	6
		Female	9	9	9	9	8
	Dead :	Dead	0/0/0	0/0/0	0/0/0	0/0/0	0/1/0
		Unknown	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
		Signs					
		No abnormality	6/9	6/9	6/9	6/9	6/8
50359	Alive :	Male	7	7	7	7	7
		Female	5	5	5	5	5
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	7/5	7/5	7/5	7/5	7/5
50360	Alive :	Male	6	6	6	6	6
		Female	11	11	11	11	9
	Dead :	Dead	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	0/2/0
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	6/11	6/11	6/11	6/11	6/9
50361	Alive :	Male	10	10	10	10	10
		Female	7	7	7	7	6
	Dead :	Dead	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
		Cannibalism	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	10/6
50362	Alive :	Male	9	9	9	9	9
		Female	6	6	6	6	6
	Dead :	Dead	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
		Cannibalism	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

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical sign of offspring
Generation : F0 Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Dam No.		Number of offspring	/Day after birth 0	1	2	3	4
50451	Alive :	Male	4	4	4	4	4
		Female	1	1	1	1	1
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	4/1	4/1	4/1	4/1	4/1
50452	Alive :	Male	9	9	9	9	8
		Female	6	6	6	6	6
	Dead :	Dead	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
		Cannibalism	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	8/6
50453	Alive :	Male	6	6	6	6	6
		Female	8	8	8	8	8
	Dead :	Dead	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
		Cannibalism	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
50454	Alive :	Male	9	9	9	9	9
		Female	8	8	8	8	8
	Dead :	Dead	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
		Cannibalism	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	9/8
50455	Alive :	Male	9	9	9	9	8
		Female	6	6	6	6	5
	Dead :	Dead	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	1/1/0
		Cannibalism	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	8/5
50456	Alive :	Male	6	6	6	6	6
		Female	8	8	8	8	8
	Dead :	Dead	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
		Cannibalism	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

(/) : Number of offspring Male/Female/Unable to be sexed

Clinical sign of offspring
Generation : F0 Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Dam No.		Number of offspring	/Day after birth 0	1	2	3	4
50457	Alive :	Male	7	7	7	7	7
		Female	7	7	7	7	7
	Dead :	Dead	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
		Cannibalism	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
50458	Alive :	Male	7	7	7	7	6
		Female	10	10	10	10	10
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	7/10	7/10	7/10	7/10	6/10
50459	Alive :	Male	7	7	7	7	7
		Female	4	4	4	4	4
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	7/4	7/4	7/4	7/4	7/4
50460	Alive :	Male	5	5	5	5	5
		Female	10	10	10	10	10
	Dead :	Dead	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
		Cannibalism	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
50461	Alive :	Male	6	6	6	6	5
		Female	5	5	5	5	5
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	6/5	6/5	6/5	6/5	5/5
50462	Alive :	Male	7	7	7	7	7
		Female	9	9	9	9	9
	Dead :	Dead	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
		Cannibalism	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
		Signs					
		No abnormality	7/9	7/9	7/9	7/9	7/9

(/) : Number of offspring Male/Female/Unable to be sexed

Litter size and viability index of offspring

Generation : F0 Dose : 2-Methylpentane 0 mg/kg Species : Rat

		/Day after birth				
		0	0	0	4	4
Dam No.	Sex	All pups Male/Female	Live pups Male/Female	Viability index (%)	Live pups Male/Female	Viability index (%)
50151	Total	14	14	100.0	14	100.0
		(4/10)	(4/10)		(4/10)	
50152	Total	16	16	100.0	15	93.8
		(6/10)	(6/10)		(6/9)	
50153	Total	16	15	93.8	15	100.0
		(6/10)	(6/9)		(6/9)	
50154	Total	10	10	100.0	10	100.0
		(3/7)	(3/7)		(3/7)	
50155	Total	13	13	100.0	13	100.0
		(5/8)	(5/8)		(5/8)	
50156	Total	18	18	100.0	18	100.0
		(6/12)	(6/12)		(6/12)	
50157	Total	15	15	100.0	15	100.0
		(7/8)	(7/8)		(7/8)	
50158	Total	16	16	100.0	16	100.0
		(6/10)	(6/10)		(6/10)	
50160	Total	6	6	100.0	6	100.0
		(2/4)	(2/4)		(2/4)	
50161	Total	9	9	100.0	9	100.0
		(6/3)	(6/3)		(6/3)	
Total		133	132		131	
Male/Female		51/82	51/81		51/80	
n		10	10	10	10	10
Mean				99.38		99.38
S.D.				1.96		1.96

Litter size and viability index of offspring

Generation : F0 Dose : 2-Methylpentane 100 mg/kg Species : Rat

Dam No.	Sex	/Day after birth 0 All pups Male/Female	0 Live pups Male/Female	0 Viability index (%)	4 Live pups Male/Female	4 Viability index (%)
50251	Total	16	16	100.0	16	100.0
		(9/7)	(9/7)		(9/7)	
50252	Total	18	18	100.0	16	88.9
		(9/9)	(9/9)		(9/7)	
50253	Total	17	17	100.0	16	94.1
		(11/6)	(11/6)		(10/6)	
50254	Total	15	15	100.0	15	100.0
		(11/4)	(11/4)		(11/4)	
50255	Total	14	14	100.0	12	85.7
		(7/7)	(7/7)		(6/6)	
50256	Total	14	14	100.0	13	92.9
		(4/10)	(4/10)		(3/10)	
50257	Total	15	15	100.0	15	100.0
		(8/7)	(8/7)		(8/7)	
50258	Total	13	13	100.0	13	100.0
		(7/6)	(7/6)		(7/6)	
50259	Total	15	15	100.0	15	100.0
		(8/7)	(8/7)		(8/7)	
50260	Total	16	15	93.8	15	100.0
		(8/8)	(8/7)		(8/7)	
50261	Total	13	13	100.0	13	100.0
		(9/4)	(9/4)		(9/4)	
50262	Total	18	18	100.0	17	94.4
		(12/6)	(12/6)		(12/5)	
Total		184	183		176	
Male/Female		103/81	103/80		100/76	
n		12	12	12	12	12
Mean				99.48		96.33
S.D.				1.79		5.07

Litter size and viability index of offspring

Generation : F0 Dose : 2-Methylpentane 300 mg/kg Species : Rat

Dam No.	Sex	/Day after birth 0 All pups Male/Female	0 Live pups Male/Female	0 Viability index (%)	4 Live pups Male/Female	4 Viability index (%)
50351	Total	14	12	85.7	12	100.0
		(5/9)	(4/8)		(4/8)	
50352	Total	16	16	100.0	13	81.3
		(7/9)	(7/9)		(6/7)	
50353	Total	17	17	100.0	15	88.2
		(9/8)	(9/8)		(8/7)	
50354	Total	16	16	100.0	16	100.0
		(8/8)	(8/8)		(8/8)	
50355	Total	13	13	100.0	13	100.0
		(11/2)	(11/2)		(11/2)	
50356	Total	19	19	100.0	19	100.0
		(7/12)	(7/12)		(7/12)	
50357	Total	12	12	100.0	12	100.0
		(5/7)	(5/7)		(5/7)	
50358	Total	15	15	100.0	14	93.3
		(6/9)	(6/9)		(6/8)	
50359	Total	13	12	92.3	12	100.0
		(7/6)	(7/5)		(7/5)	
50360	Total	17	17	100.0	15	88.2
		(6/11)	(6/11)		(6/9)	
50361	Total	17	17	100.0	16	94.1
		(10/7)	(10/7)		(10/6)	
50362	Total	17	15	88.2	15	100.0
		(9/8)	(9/6)		(9/6)	
Total		186	181		172	
Male/Female		90/96	89/92		87/85	
n		12	12	12	12	12
Mean				97.18		95.43
S.D.				5.29		6.44

Litter size and viability index of offspring

Generation : F0 Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Dam No.	Sex	/Day after birth 0 All pups Male/Female	0 Live pups Male/Female	0 Viability index (%)	4 Live pups Male/Female	4 Viability index (%)
50451	Total	5	5	100.0	5	100.0
		(4/1)	(4/1)		(4/1)	
50452	Total	15	15	100.0	14	93.3
		(9/6)	(9/6)		(8/6)	
50453	Total	14	14	100.0	14	100.0
		(6/8)	(6/8)		(6/8)	
50454	Total	17	17	100.0	17	100.0
		(9/8)	(9/8)		(9/8)	
50455	Total	15	15	100.0	13	86.7
		(9/6)	(9/6)		(8/5)	
50456	Total	14	14	100.0	14	100.0
		(6/8)	(6/8)		(6/8)	
50457	Total	14	14	100.0	14	100.0
		(7/7)	(7/7)		(7/7)	
50458	Total	17	17	100.0	16	94.1
		(7/10)	(7/10)		(6/10)	
50459	Total	11	11	100.0	11	100.0
		(7/4)	(7/4)		(7/4)	
50460	Total	15	15	100.0	15	100.0
		(5/10)	(5/10)		(5/10)	
50461	Total	11	11	100.0	10	90.9
		(6/5)	(6/5)		(5/5)	
50462	Total	16	16	100.0	16	100.0
		(7/9)	(7/9)		(7/9)	
Total		164	164		159	
Male/Female		82/82	82/82		78/81	
n		12	12	12	12	12
Mean				100.00		97.08
S.D.				0.00		4.64

Body weight of offspring
Generation : F0 Dose : 2-Methylpentane 0 mg/kg Unit : g Species : Rat
/Day after birth

		0		4	
Dam No.	Sex	n	B.W.	n	B.W.
50151	Male	4	6.60	4	10.98
	Female	10	5.96	10	10.31
50152	Male	6	6.53	6	10.57
	Female	10	5.89	9	9.59
50153	Male	6	6.80	6	9.67
	Female	9	6.83	9	9.89
50154	Male	3	7.10	3	11.03
	Female	7	6.50	7	10.20
50155	Male	5	6.46	5	8.58
	Female	8	6.35	8	8.88
50156	Male	6	5.95	6	7.40
	Female	12	5.47	12	7.13
50157	Male	7	5.80	7	8.90
	Female	8	5.70	8	8.65
50158	Male	6	5.95	6	9.70
	Female	10	5.57	10	8.87
50160	Male	2	7.15	2	13.30
	Female	4	7.38	4	14.53
50161	Male	6	7.87	6	12.98
	Female	3	7.37	3	12.03
n	Male	51		51	
	Female	81		80	
Mean	Male		6.621		10.311
	Female		6.302		10.008
S.D.	Male		0.642		1.866
	Female		0.707		2.043

Body weight of offspring
Generation : F0 Dose : 2-Methylpentane 100 mg/kg Unit : g Species : Rat
/Day after birth

		0		4	
Dam No.	Sex	n	B.W.	n	B.W.
50251	Male	9	6.28	9	9.29
	Female	7	6.03	7	9.36
50252	Male	9	5.78	9	8.54
	Female	9	5.49	7	7.81
50253	Male	11	5.75	10	8.72
	Female	6	5.50	6	8.37
50254	Male	11	6.27	11	9.12
	Female	4	5.75	4	8.63
50255	Male	7	6.61	6	10.00
	Female	7	5.77	6	9.52
50256	Male	4	6.05	3	11.03
	Female	10	6.32	10	10.58
50257	Male	8	7.01	8	11.43
	Female	7	6.49	7	10.43
50258	Male	7	7.56	7	12.24
	Female	6	6.87	6	11.12
50259	Male	8	5.75	8	8.95
	Female	7	5.41	7	8.34
50260	Male	8	7.29	8	11.05
	Female	7	6.47	7	9.86
50261	Male	9	7.26	9	10.79
	Female	4	7.18	4	11.00
50262	Male	12	5.78	12	8.46
	Female	6	5.23	5	7.34
n	Male	103		100	
	Female	80		76	
Mean	Male		6.449		9.968
	Female		6.043		9.363
S.D.	Male		0.676		1.292
	Female		0.622		1.270

Body weight of offspring
Generation : F0 Dose : 2-Methylpentane 300 mg/kg Unit : g Species : Rat
/Day after birth

		0		4	
Dam No.	Sex	n	B.W.	n	B.W.
50351	Male	4	7.03	4	11.65
	Female	8	6.53	8	10.59
50352	Male	7	6.33	6	9.68
	Female	9	5.83	7	8.56
50353	Male	9	6.40	8	8.83
	Female	8	5.91	7	7.81
50354	Male	8	6.05	8	9.24
	Female	8	5.51	8	8.23
50355	Male	11	7.24	11	11.93
	Female	2	6.50	2	9.90
50356	Male	7	6.14	7	9.19
	Female	12	5.75	12	8.97
50357	Male	5	6.80	5	12.24
	Female	7	6.71	7	12.24
50358	Male	6	6.28	6	10.57
	Female	9	5.69	8	10.23
50359	Male	7	7.46	7	12.47
	Female	5	6.64	5	11.38
50360	Male	6	5.95	6	9.35
	Female	11	5.16	9	8.20
50361	Male	10	6.02	10	9.62
	Female	7	5.43	6	8.27
50362	Male	9	6.80	9	10.49
	Female	6	6.52	6	10.28
n	Male	89		87	
	Female	92		85	
Mean	Male		6.542		10.438
	Female		6.015		9.555
S.D.	Male		0.510		1.318
	Female		0.538		1.425

Body weight of offspring
Generation : F0 Dose : 2-Methylpentane 1000 mg/kg Unit : g Species : Rat
/Day after birth

		0		4	
Dam No.	Sex	n	B.W.	n	B.W.
50451	Male	4	8.43	4	16.30
	Female	1	8.20	1	15.20
50452	Male	9	5.33	8	9.01
	Female	6	5.40	6	8.57
50453	Male	6	6.17	6	11.17
	Female	8	5.60	8	9.45
50454	Male	9	6.42	9	9.40
	Female	8	6.00	8	8.70
50455	Male	9	6.31	8	10.15
	Female	6	5.58	5	9.60
50456	Male	6	6.33	6	10.98
	Female	8	5.96	8	10.41
50457	Male	7	6.37	7	9.89
	Female	7	6.27	7	10.20
50458	Male	7	5.87	6	9.23
	Female	10	5.54	10	8.89
50459	Male	7	7.54	7	13.00
	Female	4	7.25	4	12.48
50460	Male	5	6.74	5	10.46
	Female	10	6.12	10	9.36
50461	Male	6	7.47	5	13.98
	Female	5	7.12	5	12.20
50462	Male	7	7.04	7	11.77
	Female	9	6.86	9	11.34
n	Male	82		78	
	Female	82		81	
Mean	Male		6.668		11.278
	Female		6.325		10.533
S.D.	Male		0.838		2.186
	Female		0.859		1.965

Necropsy findings of offspring
Generation : F0 Dose : 2-Methylpentane 0 mg/kg Species : Rat

Dam No.	Number of live offspring examined on Day 4	/Findings	Number of dead offspring examined on Day 0-4	/Findings
50151	14	Absent	0	
50152	15	Absent	1	Absent (Day 4)
50153	15	Absent	1	Absent (Day 0)
50154	10	Absent	0	
50155	13	Absent	0	
50156	18	Absent	0	
50157	15	Absent	0	
50158	16	Absent	0	
50160	6	Absent	0	
50161	9	Absent	0	
Total	131		2	
n	10		2	

Necropsy findings of offspring
Generation : F0 Dose : 2-Methylpentane 100 mg/kg Species : Rat

Dam No.	Number of live offspring examined on Day 4	/Findings	Number of dead offspring examined on Day 0-4	/Findings
50251	16	Absent	0	
50252	16	Absent	1	Absent (Day 4)
50253	16	Absent	0	
50254	15	Absent	0	
50255	12	Absent	0	
50256	13	Absent	0	
50257	15	Absent	0	
50258	13	Absent	0	
50259	15	Absent	0	
50260	15	Absent	1	Absent (Day 0)
50261	13	Absent	0	
50262	17	Absent	1	Absent (Day 4)
Total	176		3	
n	12		3	

Necropsy findings of offspring
Generation : F0 Dose : 2-Methylpentane 300 mg/kg Species : Rat

Dam No.	Number of live offspring examined on Day 4	/Findings	Number of dead offspring examined on Day 0-4	/Findings
50351	12	Absent	2	Absent (Day 0)
50352	13	Absent	0	
50353	15	Absent	1	Absent (Day 4)
50354	16	Absent	0	
50355	13	Absent	0	
50356	19	Absent	0	
50357	12	Absent	0	
50358	14	Absent	1	Absent (Day 4)
50359	12	Absent	1	Absent (Day 0)
50360	15	Absent	0	
50361	16	Absent	0	
50362	15	Absent	2	Absent (Day 0)
Total	172		7	
n	12		5	

Necropsy findings of offspring
Generation : F0 Dose : 2-Methylpentane 1000 mg/kg Species : Rat

Dam No.	Number of live offspring examined on Day 4	/Findings	Number of dead offspring examined on Day 0-4	/Findings
50451	5	Absent	0	
50452	14	Absent	0	
50453	14	Absent	0	
50454	17	1; Liver, yellowish white discoloration, between middle lobe and medial left lobe, 5×5 mm,16; Absent	0	
50455	13	Absent	0	
50456	14	Absent	0	
50457	14	Absent	0	
50458	16	Absent	0	
50459	11	Absent	0	
50460	15	Absent	0	
50461	10	Absent	0	
50462	16	Absent	0	
Total	159		0	
n	12		0	

最終報告書

試験名

投与液中の 2-メチルペンタンの安定性試験および濃度確認試験

著 者
[redacted]

試験終了日
2018 年 2 月 5 日

試験施設
株式会社日曹分析センター
〒250-0216　神奈川県小田原市高田 345

試験委託者
株式会社化合物安全性研究所
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〒004-0839 北海道札幌市清田区真栄 363 番地 24

試験番号
NCAS 17-225

TRUE COPY OF ORIGINAL
2/6/18 M.Su

GLP 適合陳述書

試験番号： NCAS 17-225

試験名： 投与液中の 2-メチルペンタンの安定性試験および濃度確認試験

この試験は、以下の GLP に従って実施した。

「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)

この試験はここに述べられた方法により行われ、この最終報告書は試験実施により得られた生データを正確に反映したものである。

試験責任者： [redacted] 2018 年 2 月 5 日

株式会社日曹分析センター 小田原事業所

信頼性保証書

試験番号： NCAS 17-225

試 験 名： 投与液中の 2-メチルペンタンの安定性試験および濃度確認試験

上記試験の信頼性保証の監査または査察を適用 GLP および信頼性保証部門（QAU）の SOP に基づいて実施した。監査または査察の結果は、以下の日付で試験責任者および運営管理者に報告した。

監査または査察項目	日付（月/日/年）		
	監査または査察日	報告日	
		試験責任者	運営管理者
試験計画書	10/18/2017	10/18/2017	10/18/2017
試験計画書変更届 1	12/1/2017	12/1/2017	12/1/2017
実験操作			
・IR スペクトル測定	10/23/2017	10/23/2017	10/23/2017
・投与液の受領	10/25-11/2/2017	11/2/2017	11/2/2017
・標準溶液の調製	10/25-26/2017	11/2/2017	11/2/2017
・測定溶液の調製	10/25-26/2017	11/2/2017	11/2/2017
・GC 測定	10/25-26/2017	11/2/2017	11/2/2017
生データおよび関連試験資料	1/29/2018	1/29/2018	1/29/2018
報告書草案	1/29/2018	1/29/2018	1/29/2018
最終報告書	2/5/2018	2/5/2018	2/5/2018

QAU は、この試験が試験計画書および SOP に従って行われ、報告された方法や手段が実際に使われたものであり、結果は記録されたデータを正確に反映していることを確認した。

QAU 責任者 [redacted] 2018年2月5日

（株）日曹分析センター

試験情報

試験番号： NCAS 17-225
試験名： 投与液中の 2-メチルペンタンの安定性試験および濃度確認試験
報告書番号： NCAS 17-225

試験委託者： 株式会社化合物安全性研究所
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TEL 080-5969-3620、FAX 0465-42-3586

試験責任者：
試験従事者：

試験開始日： 2017 年 10 月 18 日
実験開始日： 2017 年 10 月 23 日
実験終了日： 2018 年 1 月 10 日
試験終了日： 2018 年 2 月 5 日

適用ガイドライン：なし
関連する試験：
・試験番号 NCAS 17-224NG：投与液中の 2-メチルペンタンの分析法検討および分析法確認試験
・試験番号 SR17148：2-メチルペンタンのラットにおける反復投与毒性･生殖発生毒性併合試験

試資料保管：
本試験に関する全ての文書は、当試験施設の資料室に該当通知後 10 年間保管する。その後の保管場所については、試験委託者と協議して決定する。被験物質は該当の通知後 10 年間または品質低下を起こさない期間のいずれか短い期間保管する。

SOP および試験計画書からの逸脱：
SOP および試験計画書からの逸脱はなかった。

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。

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概要

株式会社化合物安全性研究所の委託により、投与液中の 2-メチルペンタンの安定性試験および濃度確認試験を行った。

2017 年 10 月 23 日に測定した標準物質 の IR スペクトルは、試験委託者より提供された 2-メチルペンタンの IR スペクトルと吸収波数がほぼ一致し、同一性が確認された。また、実験終了時 (2018 年 1 月 10 日) に測定した標準物質の IR スペクトルと比較したところ、主な吸収波数が一致したので実験期間中の標準物質は安定であったと判断した。

投与液中の 2-メチルペンタンの安定性確認を行った結果、調製した模擬投与液中における 2-メチルペンタンの冷蔵密封下 (3.0～4.7°C) 保存 8 日間 (調製後初回濃度測定日を 0 日として起算) および室温密封下 (21.5～21.7°C) 保存 6 時間の安定性が確認された。

試験委託者より受領した投与液中の 2-メチルペンタン濃度確認試験を行った。濃度測定はガスクロマトグラフィー (GC) により行い、結果は以下の通りであった。

投与液		設定濃度 mg/mL	投与液濃度 mg/mL	真度 (%)	相対標準偏差 (%)
2017 年 11 月 4 日 調製	10 mg/mL 投与液	10	9.55	-4.5	0.0
	30 mg/mL 投与液	30	29.4	-2.0	0.6
	100 mg/mL 投与液	100	99.8	-0.2	1.1
2017 年 12 月 1 日 調製	10 mg/mL 投与液	10	9.59	-4.1	1.3
	30 mg/mL 投与液	30	29.4	-2.0	5.1
	100 mg/mL 投与液	100	93.2	-6.8	5.2

毒性試験施設で調製された 10、30 および 100 mg/mL 投与液の濃度測定結果は、判定基準である設定濃度に対して 100±15%以内、相対標準偏差 15%以下であることが確認され、設定濃度に調製されたと判断し、得られた結果は有効とした。

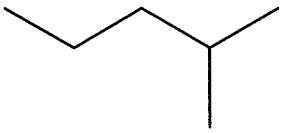
緒言

株式会社化合物安全性研究所の委託により、測定対象物質である 2-メチルペンタンの同一性試験および安定性試験を実施し、また、投与液中の 2-メチルペンタンの安定性試験および濃度確認試験を実施したのでここに報告する。

実験材料および方法

1. 測定対象物質

化合物名： 2-メチルペンタン
CAS No.： 107-83-5
分子式： C_6H_{14}
分子量： 86.18
構造式：



2. 標準物質

化合物名： 2-メチルペンタン
純度： 99.0%（高純度品のため、定量計算では純度補正を実施しない。）
ロット番号： UFU8O
NCAS 検索番号： STD-1557
入手先： 株式会社化合物安全性研究所
入手日： 2017 年 10 月 16 日
入手量： 20 g
保存条件： 冷蔵、褐色ガラス瓶
外観： 無色、透明の液体
構造式や分子量等の情報は 1 項に記載した。

3. 試薬および機器

アセトン： HPLC 用、和光純薬工業(株)
冷凍冷蔵庫： FKEX-5000、日本フリーザー(株)
室温保管庫： SH-170F1NC、コクヨ
サーモレコーダー：TR-71U、(株) ティアンドデイ
ワイヤレスデータロガー：RTR-52、(株) ティアンドデイ
天秤： XP205、メトラー・トレド(株)
ガスクロマトグラフ (GC)：Agilent 7890 GC、Agilent Technologies
水素発生装置： NM-H100、(株)エアーテック
フーリエ変換赤外分光光度計 (FT-IR)：Spectrum One、PerkinElmer

4. 投与液

以下に記載したスケジュールに従い、毒性試験施設において調製した投与液を受領した。受領した試料は即日分析した。残余試料は冷蔵（1～10°C）で保存し、試験終了後、試験委託者の了解を得て処分した。

2017 年 10 月 25 日入手投与液： 2017 年 10 月 23 日調製 (安定性確認用模擬投与液調製)
2017 年 11 月 6 日入手投与液： 2017 年 11 月 4 日調製 (初回調製)
2017 年 11 月 30 日入手投与液： 2017 年 11 月 28 日調製

2017 年 12 月 4 日入手投与液： 2017 年 12 月 1 日調製 (最終回調製)

5. 実験方法

5.1. 2-メチルペンタンの同一性・安定性確認

5.1.1 FT-IR 測定条件

測定法： KBr 液膜法
測定波数：4000～400 cm^{-1}
積算回数：4
分解能： 4 cm^{-1}

5.1.2 同一性

5.4 項で実施された安定性試験における模擬投与液調製前(2017 年 10 月 23 日)に、FT-IR（KBr 液膜法）を用いて、標準物質の IR スペクトルを測定し、試験委託者より提供されたスペクトルとの比較により同一性を確認した。

5.1.3 安定性

試験委託者が実施する毒性試験（委託者試験番号 SR17148）における投与終了日以降（2018 年 1 月 10 日）に、FT-IR（KBr 液膜法）を用いて標準物質の IR スペクトルを測定し、5.1.2 項のスペクトルと比較した。スペクトルが一致した場合に、実験期間中の標準物質は安定であったと判断した。

5.2. GC 条件

GC：	Agilent 7890 GC
カラム：	TC-624、60 m×0.25 mm i.d.、膜厚 1.4 μm、GL Sciences
カラム温度：	初期温度 40°C（0 分間保持） 40→80°C（4°C /min） 80→240°C（40°C /min） 最終温度 240°C（4 分間保持）
注入口：	スプリット（スプリット比 40:1）
注入口温度：	260°C
検出器：	FID
検出器温度：	250°C
検出器ガス：	水素 30 mL/min、空気 400 mL/min
メークアップガス：	窒素 30 mL/min
キャリアガス：	ヘリウム 1 mL/min
注入量：	2 μL

5.3. 検量線

5.3.1 標準溶液の調製

下表に従い、1200 mg/L 標準溶液を調製した。

調製日	標準溶液 No.	標準物質秤取量(mg)	調製量(mL)	使用溶媒	調製濃度(mg/L)
2017 年 10 月 25 日	1025-SS-1	127.5	100	アセトン	1275
2017 年 11 月 2 日	1102-SS-1	125.9			1259
2017 年 11 月 6 日	1106-SS-1	118.4			1184
2017 年 11 月 30 日	1130-SS-1	123.6			1236
2017 年 12 月 4 日	1204-SS-1	122.8			1228

各調製日ごとに、1200 mg/L 標準溶液をアセトンで以下に示したように希釈し、各標準溶液を調製した。また、標準溶液 No.の『mmdd』は調製月日を意味する。

標準溶液 No.	使用標準溶液 No.	採取量(mL)	調製量(mL)
mmdd-SS-2	mmdd-SS-1	5	10
mmdd-SS-3	mmdd-SS-1	1	10
mmdd-SS-4	mmdd-SS-2	1	10
mmdd-SS-5	mmdd-SS-3	1	10

5.3.2 検量線試料の分析と回帰式の算出

5.3.1 項で調製した各標準溶液（mmdd-SS-1～5）とアセトン（ブランク試料）を 5.2 項記載の条件の GC で分析し、クロマトグラムより 2-メチルペンタンのピーク面積を求めた。

2-メチルペンタンのピーク面積を縦軸に、標準溶液濃度 (mg/L) を横軸にとり、Microsoft Excel 2010 (SP2 MSO) を用いて検量線 (重み付け : 1/x) の回帰式および相関係数 (r) を求めた。さらに、検量線の各点について逆回帰値を算出し、設定値に対する真度 (%) を算出した。

検量線の判定基準は、相関係数が 0.990 以上、真度が最低濃度試料で±20%以内、それ以外の検量線試料で±15%以内とした。

5.4. 投与液中の 2-メチルペンタンの安定性確認

5.4.1 概要

試験委託者が実施する毒性試験（委託者試験番号 SR17148）において調製される安定性確認用模擬投与液中の 2-メチルペンタンの濃度測定を行い、模擬投与液受領後の冷蔵（1～10°C）保存 8 日間（調製後初回濃度測定日を 0 日として起算）かつ室温 (1～30°C) 保存 6 時間以上の安定性を確認した。受領した模擬投与液の測定は以下の時点で行った。

・模擬投与液受領初日（調製直後試料とした）

・受領初日から 8 日間経過後さらに室温下で 6 時間以上経過（保存安定性確認試料とした）

5.4.2 安定性確認用模擬投与液

4 項に示したスケジュールで、毒性試験施設において調製された 10 および 100 mg/mL の安定性確認用模擬投与液を受領した。受領直後に安定性確認用模擬投与液の前処理を実

施し、2-メチルペンタン濃度測定を行った（2017 年 10 月 25 日実施）。 残りの安定性確認用模擬投与液は、冷蔵で 8 日間保存し、さらに室温下で 6 時間以上放置した後に前処理を実施し、2-メチルペンタン濃度測定を行った（2017 年 11 月 2 日実施）。

5.4.3 前処理および濃度測定

5.4.2 項で受領した安定性確認用模擬投与液は、以下に従って前処理を行い測定溶液とし、濃度測定を実施した。

・10 mg/mL 模擬投与液

10 mg/mL 模擬投与液を 1 mL 採取し、アセトンで 50 mL に定容し、10 mg/mL 測定溶液とした（50 倍希釈）。これを 2 連で調製した。

・100 mg/mL 模擬投与液

100 mg/mL 模擬投与液を 1 mL 採取し、アセトンで 100 mL に定容し、100 mg/mL 測定溶液とした（100 倍希釈）。これを 2 連で調製した。

上記で調製した測定溶液を 5.2 項記載の条件の GC で分析し、クロマトグラムより 2-メチルペンタンのピーク面積を求めた。同日に作成した検量線の回帰式にピーク面積を代入し測定溶液濃度を算出した。測定溶液の検出濃度に希釈率をかけて、安定性確認用模擬投与液中の 2-メチルペンタン濃度の定量値を算出した。

$$\text{各模擬投与液中の2-メチルペンタン濃度の定量値 (mg/mL)} = \frac{\text{検出濃度 (mg/L)} \times \text{希釈倍率}}{1000}$$

5.4.4 解析および評価

調製直後試料の平均濃度が設定濃度に対して 100±15%以内であれば、設定濃度に調製されたと判断し、得られた結果は有効とした。

調製直後および保存後の試料の測定で得られた濃度から次式より測定対象物質の変化率 (%) を算出した。判定基準は変化率 (%) が 100±15%以内の場合、安定であると判断した。

$$\text{変化率 (\%)} = \frac{\text{保存安定性確認試料の平均濃度}}{\text{調製直後試料の平均濃度}} \times 100$$

5.5. 投与液中の 2-メチルペンタンの濃度測定

4 項で受領した各投与液を以下に従って希釈し、測定溶液とした。それぞれ 2 連で実施した。

• 10 mg/mL 投与液

10 mg/mL 投与液を 1 mL 採取し、アセトンで 50 mL に定容し、10 mg/mL 測定溶液とした（50 倍希釈）。

• 30 mg/mL 投与液

30 mg/mL 投与液を 1 mL 採取し、アセトンで 50 mL に定容し、30 mg/mL 測定溶液とした（50 倍希釈）。

• 100 mg/mL 投与液

100 mg/mL 投与液を 1 mL 採取し、アセトンで 100 mL に定容し、100 mg/mL 測定溶液とした（100 倍希釈）。

上記で調製した測定溶液を 5.2 項記載の条件の GC で分析し、クロマトグラムより 2-メチルペンタンのピーク面積を求めた。同日に作成した検量線の回帰式にピーク面積を代入し測定溶液濃度を算出した。下式に従い測定溶液の検出濃度より投与液中の 2-メチルペンタン濃度を算出した（有効数字 4 桁）。この濃度の平均値が、設定濃度に対し 100±15%以内、相対標準偏差が 15%以下であれば設定濃度に調製されたと判断し、得られた結果は有効とした。それ以外の場合は、試験委託者と相談した後、投与液を再調製し測定した。各投与液の平均濃度を最終的な投与液濃度とした（有効数字 3 桁）。

$$\text{各投与液中の2-メチルペンタン濃度の定量値 (mg/mL)} = \frac{\text{検出濃度 (mg/L)} \times \text{希釈倍率}}{1000}$$

6. 機器使用前点検

GC 測定の前に、5.3.1 項に従って調製した最高濃度の検量線試料（mmdd-SS-1）を 3 回測定し、2-メチルペンタンのピーク面積を求めた。ピーク面積値の相対標準偏差が 15%以下の場合、異常なしと判断して測定を開始した。

7. 統計処理

結果の統計処理は、Microsoft Excel 2010 (SP2 MSO) を使用した。計算は Excel の最大精度をもって行なわれた。

結果、考察および結論

1. 2-メチルペンタンの同一性・安定性確認

1.1. 同一性

試験委託者より提供されたIRスペクトルを図 1に、安定性試験における模擬投与液調製前（2017年10月23日）に測定した標準物質のIRスペクトルを図 2に示す。両者の吸収波数はほぼ一致しており、同一性が確認された。

1.2. 安定性

安定性確認時（2018年1月10日）の標準物質のIRスペクトルを図 3に示す。同一性確認時における標準物質のIRスペクトルと比較した結果、主な吸収波数はほぼ一致したため、実験期間中の標準物質は安定であったと判断した。

2. 検量線および機器使用前点検

各測定日における機器使用前点検結果を表 1に、機器使用前点検の代表的なクロマトグラムを図 4に示す。各測定日における最高濃度の検量線試料（mmdd-SS-1）を3回測定して求めたピーク面積の相対標準偏差はすべて15%以内であったので、異常なしと判断し濃度測定を実施した。

アセトン (ブランク試料) の代表的なクロマトグラムを図 5 に示す。各測定日において、2-メチルペンタンの検出時間付近に定量を妨害するピークがないことを確認した。

各測定日における標準溶液の測定結果を表 2～表 6に、標準溶液の代表的なクロマトグラムを図 6～図 10 に示す。各測定日における検量線の相関係数はすべて 0.990 以上、検量線試料の真度は±15%以内であり、検量線の判定基準を満たした。

3. 投与液中の2-メチルペンタンの安定性確認

3.1. 模擬投与液調製直後試料

調製後の安定性確認用模擬投与液の濃度測定結果を表 7 に、代表的なクロマトグラムを図 11 および図 12 に示す。調製直後試料における 10 mg/mL 模擬投与液の 2 連測定の平均濃度は 9.05 mg/mL であり、理論濃度 (10 mg/mL) に対して-9.5%であった。また、100 mg/mL 模擬投与液の 2 連測定の平均濃度は 99.1 mg/mL であり、理論濃度 (100 mg/mL) に対して -0.9%であった。以上より、各模擬投与液は理論濃度に調製されたと判断し、得られた結果は有効とした。

3.2. 保存安定性確認試料

保存安定性確認試料の濃度測定結果を表 8 に、代表的なクロマトグラムを図 13 および図 14 に示す。保存後の 10 mg/mL 模擬投与液の 2 連測定の平均濃度は 9.12 mg/mL、100 mg/mL 模擬投与液の 2 連測定の平均濃度は 96.9 mg/mL であった。変化率は 10 mg/mL 模擬投与液で 100.8%、100 mg/mL 模擬投与液で 97.8%となり、安定性の判定基準（変化率が 100±15%）を満たした。従って、10 mg/mL および 100 mg/mL 模擬投与液中の 2-メチルペンタンは、冷蔵（1～10°C）保存 8 日間（調製日を 0 日として起算）かつ室温 (1～30°C) 保存 6 時間まで

安定であることが確認された。なお、保存期間中の温度は、冷蔵で 3.0～4.7°C、室温で 21.5～21.7 °C であった。

4. 投与液中の 2-メチルペンタンの濃度測定

4.1. 2017 年 11 月 4 日に調製された投与液の測定結果

2017 年 11 月 4 日に調製された投与液を測定した結果（測定日：2017 年 11 月 6 日）を表 9 に、10、30 および 100 mg/mL 投与液の代表的なクロマトグラムを図 15～図 17 に示す。毒性試験施設で調製された 10、30 および 100 mg/mL の投与液における 2 連測定の平均濃度は、それぞれ 9.55、29.4 および 99.8 mg/mL であった。これらの真度はそれぞれ-4.5%、-2.0%および-0.2%であり、設定濃度±15%以内であることが確認された。また、相対標準偏差はそれぞれ 0.0%、0.6%および 1.1%であり、15%以内であった。以上の結果、各濃度の投与液は設定濃度に調製されたと判断し、得られた結果は有効とした。

4.2. 2017 年 11 月 28 日に調製された投与液の測定結果

2017 年 11 月 28 日に調製された投与液を測定した結果（測定日：2017 年 11 月 30 日）を表 10 に示す。すべての投与液において真度が基準を満たさなかったため、本測定結果は無効とし、投与液の再調製を依頼した。

4.3. 2017 年 12 月 1 日に調製された投与液の測定結果

2017 年 12 月 1 日に調製された投与液を測定した結果（測定日：2017 年 12 月 4 日）を表 11 に、10、30 および 100 mg/mL 投与液の代表的なクロマトグラムを図 18～図 20 に示す。毒性試験施設で調製された 10、30 および 100 mg/mL の投与液における 2 連測定の平均濃度は、それぞれ 9.59、29.4 および 93.2 mg/mL であった。これらの真度はそれぞれ-4.1%、-2.0%および-6.8%であり、設定濃度±15%以内であることが確認された。また、相対標準偏差はそれぞれ 1.3%、5.1%および 5.2%であり、15%以内であった。以上の結果、各濃度の投与液は設定濃度に調製されたと判断し、得られた結果は有効とした。

5. 中間報告

各結果について、中間報告として作成した分析証明書を添付資料 1～添付資料 3 に示す。

表 1 機器使用前点検結果

測定日	試料 ID	ピーク面積	ピーク面積平均値	相対標準偏差 (%)
2017 年 10 月 25 日	1025-SS-1-001	1192.911	1192.838	0.9
	1025-SS-1-002	1181.910		
	1025-SS-1-003	1203.693		
2017 年 11 月 2 日	1102-SS-1-001	1157.425	1167.123	1.1
	1102-SS-1-002	1181.246		
	1102-SS-1-003	1162.699		
2017 年 11 月 6 日	1106-SS-1-001	1108.724	1131.410	3.8
	1106-SS-1-002	1105.098		
	1106-SS-1-003	1180.409		
2017 年 11 月 30 日	1130-SS-1-001	1440.049	1320.529	9.5
	1130-SS-1-002	1331.153		
	1130-SS-1-003	1190.385		
2017 年 12 月 4 日	1204-SS-1-001	1210.192	1185.676	8.3
	1204-SS-1-002	1269.707		
	1204-SS-1-003	1077.130		

表 2 標準溶液の測定結果（測定日：2017 年 10 月 25 日）

試料 ID	標準溶液濃度 (mg/L)	ピーク面積	逆回帰値 (mg/L)	真度 (%)
1025-SS-1	1275	1223.640	1286	0.9
1025-SS-2	637.5	597.294	628.1	-1.5
1025-SS-3	127.5	118.819	125.9	-1.3
1025-SS-4	63.75	60.028	64.15	0.6
1025-SS-5	12.75	11.214	12.92	1.3
1025-blank	—	Not detected	—	—

Correlation coefficient : 0.9999
Slope : 0.9527
Intercept : -1.092
Weight : 1/x

表 3 標準溶液の測定結果（測定日：2017 年 11 月 2 日）

試料 ID	標準溶液濃度 (mg/L)	ピーク面積	逆回帰値 (mg/L)	真度 (%)
1102-SS-1	1259	1183.791	1242	-1.4
1102-SS-2	629.5	618.160	648.8	3.1
1102-SS-3	125.9	119.332	126.0	0.1
1102-SS-4	62.95	57.262	60.90	-3.3
1102-SS-5	12.59	11.360	12.79	1.6
1102-blank	—	Not detected	—	—

Correlation coefficient : 0.9998
Slope : 0.9541
Intercept : -0.8396
Weight : 1/x

表 4 標準溶液の測定結果（測定日：2017 年 11 月 6 日）

試料 ID	標準溶液濃度 (mg/L)	ピーク面積	逆回帰値 (mg/L)	真度 (%)
1106-SS-1	1184	1115.687	1192	0.7
1106-SS-2	592.0	545.951	583.5	-1.4
1106-SS-3	118.4	110.829	118.9	0.4
1106-SS-4	59.20	55.117	59.38	0.3
1106-SS-5	11.84	10.600	11.85	0.1
1106-blank	—	Not detected	—	—

Correlation coefficient : 0.9999
Slope : 0.9365
Intercept : -0.4958
Weight : 1/x

表 5 標準溶液の測定結果（測定日：2017 年 11 月 30 日）

試料 ID	標準溶液濃度 (mg/L)	ピーク面積	逆回帰値 (mg/L)	真度 (%)
1130-SS-1	1236	1088.329	1245	0.7
1130-SS-2	618.0	537.213	613.8	-0.7
1130-SS-3	123.6	106.423	120.4	-2.6
1130-SS-4	61.80	53.062	59.29	-4.1
1130-SS-5	12.36	12.799	13.17	6.6
1130-blank	—	Not detected	—	—

Correlation coefficient : 0.9999
Slope : 0.8731
Intercept : 1.2972
Weight : 1/x

表 6 標準溶液の測定結果（測定日：2017 年 12 月 4 日）

試料 ID	標準溶液濃度 (mg/L)	ピーク面積	逆回帰値 (mg/L)	真度 (%)
1204-SS-1	1228	1407.220	1210	-1.5
1204-SS-2	614.0	728.909	626.5	2.0
1204-SS-3	122.8	146.855	125.9	2.5
1204-SS-4	61.40	75.903	64.90	5.7
1204-SS-5	12.28	13.466	11.20	-8.8
1204-blank	—	Not detected	—	—

Correlation coefficient : 0.9998
Slope : 1.1627
Intercept : 0.4460
Weight : 1/x

表 7　調製後の安定性確認用模擬投与液の濃度測定結果（測定日：2017 年 10 月 25 日）

試料 ID	模擬投与液理論濃度 (mg/mL)	希釈倍率	ピーク面積	検出濃度 (mg/L)	定量値 (mg/mL)	定量値の平均濃度 (mg/mL)	平均濃度真度 (%)
1025-10mgml-0D-001	10	50	168.078	177.6	8.878	9.05	-9.5
1025-10mgml-0D-002			174.612	184.4	9.221		
1025-100mgml-0D-001	100	100	918.438	965.2	96.52	99.1	-0.9
1025-100mgml-0D-002			966.554	1016	101.6		

表 8　保存後の安定性確認用模擬投与液の濃度測定結果（測定日：2017 年 11 月 2 日）

試料 ID	調製直後試料の平均濃度 (mg/mL)	希釈倍率	ピーク面積	検出濃度 (mg/L)	定量値 (mg/mL)	定量値の平均濃度 (mg/mL)	変化率 (%)
1025-10mgml-8D-001	9.05	50	175.361	184.7	9.234	9.12	100.8
1025-10mgml-8D-002			171.110	180.2	9.011		
1025-100mgml-8D-001	99.1	100	922.637	967.9	96.79	96.9	97.8
1025-100mgml-8D-002			925.111	970.5	97.05		

$$\text{変化率 (\%)} = \frac{\text{保存安定性確認試料の平均濃度}}{\text{調製直後試料の平均濃度}} \times 100$$

表 9　2017 年 11 月 4 日調製投与液の濃度測定結果（測定日：2017 年 11 月 6 日）

投与液濃度 (mg/mL)	測定試料 ID	希釈倍率	ピーク面積	検出濃度 (mg/L)	定量値 (mg/mL)	定量値の平均値 (mg/mL)	真度 (%)	相対標準偏差 (%)
10	1106-10mgml-001	50	178.407	191.0	9.552	9.55	-4.5	0.0
	1106-10mgml-002		178.384	191.0	9.550			
30	1106-30mgml-001	50	552.707	590.7	29.54	29.4	-2.0	0.6
	1106-30mgml-002		548.732	586.5	29.32			
100	1106-100mgml-001	100	927.165	990.6	99.06	99.8	-0.2	1.1
	1106-100mgml-002		942.049	1006	100.6			

表 10　2017 年 11 月 28 日調製投与液の濃度測定結果（測定日：2017 年 11 月 30 日）

投与液濃度 (mg/mL)	測定試料 ID	希釈倍率	ピーク面積	検出濃度 (mg/L)	定量値 (mg/mL)	定量値の平均値 (mg/mL)	真度 (%)	相対標準偏差 (%)
10	1130-10mgml-001	50	237.728	270.8	13.54	13.7	37.0	2.1
	1130-10mgml-002		243.017	276.9	13.84			
30	1130-30mgml-001	50	741.346	847.6	42.38	43.1	43.7	3.2
	1130-30mgml-002		765.112	874.8	43.74			
100	1130-100mgml-001	100	1204.374	1378	137.8	141	41.0	5.0
	1130-100mgml-002		1266.773	1449	144.9			

表 11　2017 年 12 月 1 日調製投与液の濃度測定結果（測定日：2017 年 12 月 4 日）

投与液濃度 (mg/mL)	測定試料 ID	希釈倍率	ピーク面積	検出濃度 (mg/L)	定量値 (mg/mL)	定量値の平均値 (mg/mL)	真度 (%)	相対標準偏差 (%)
10	1204-10mgml-001	50	221.414	190.0	9.502	9.59	-4.1	1.3
	1204-10mgml-002		225.441	193.5	9.676			
30	1204-30mgml-001	50	659.576	566.9	28.34	29.4	-2.0	5.1
	1204-30mgml-002		710.176	610.4	30.52			
100	1204-100mgml-001	100	1127.579	969.4	96.94	93.2	-6.8	5.2
	1204-100mgml-002		1041.697	895.5	89.55			

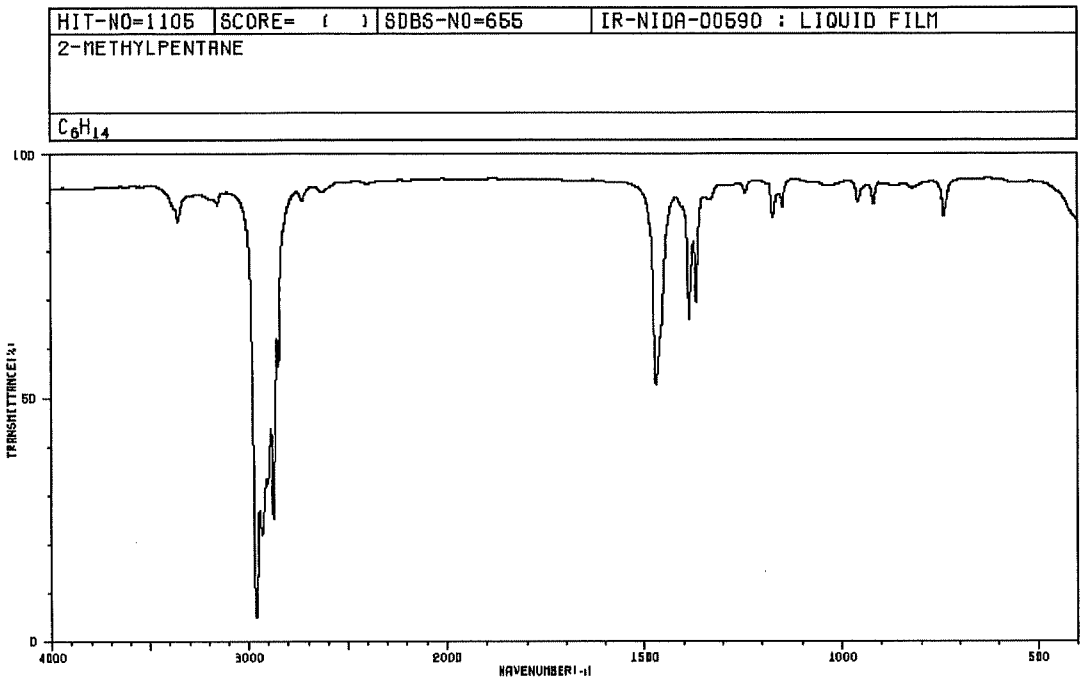


図 1　試験委託者より提供された標準物質の IR スペクトル

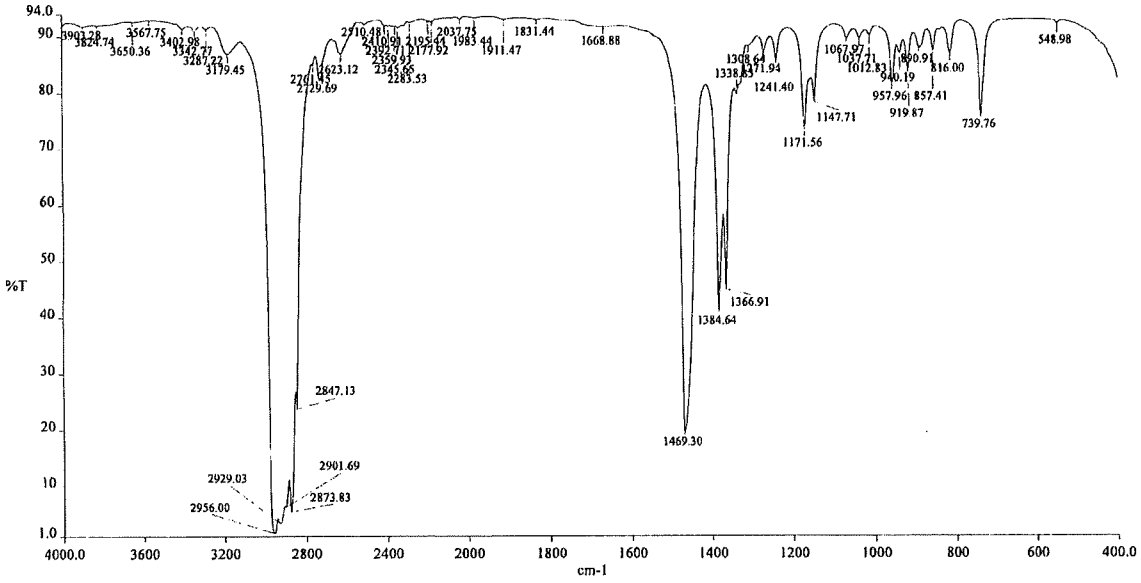


図 2　模擬投与液調製前に測定した標準物質 (ロット番号 : UFU8O) の IR スペクトル
(測定日 : 2017 年 10 月 23 日)

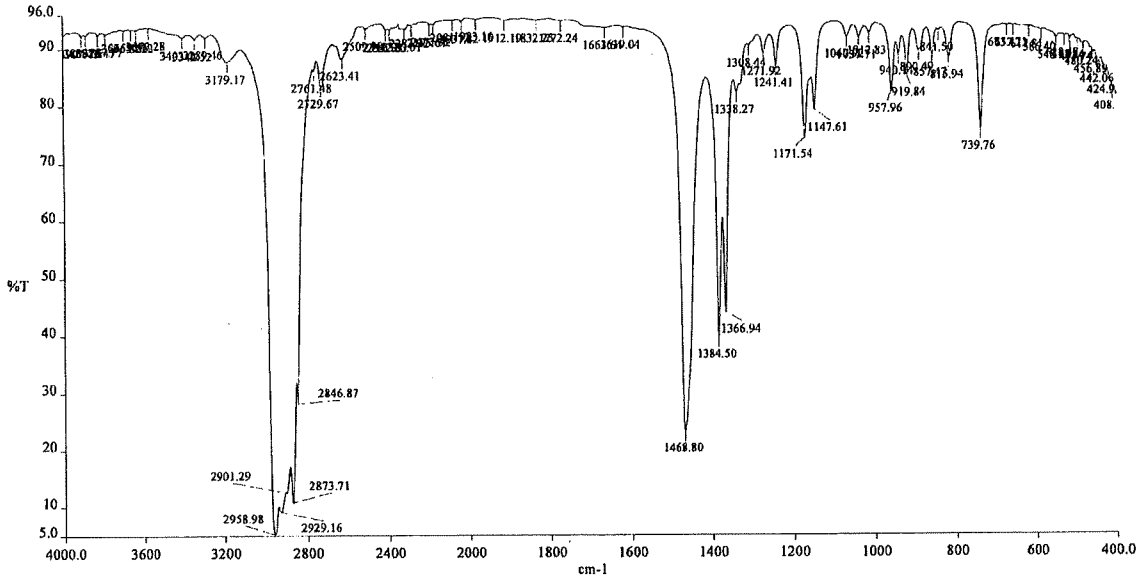
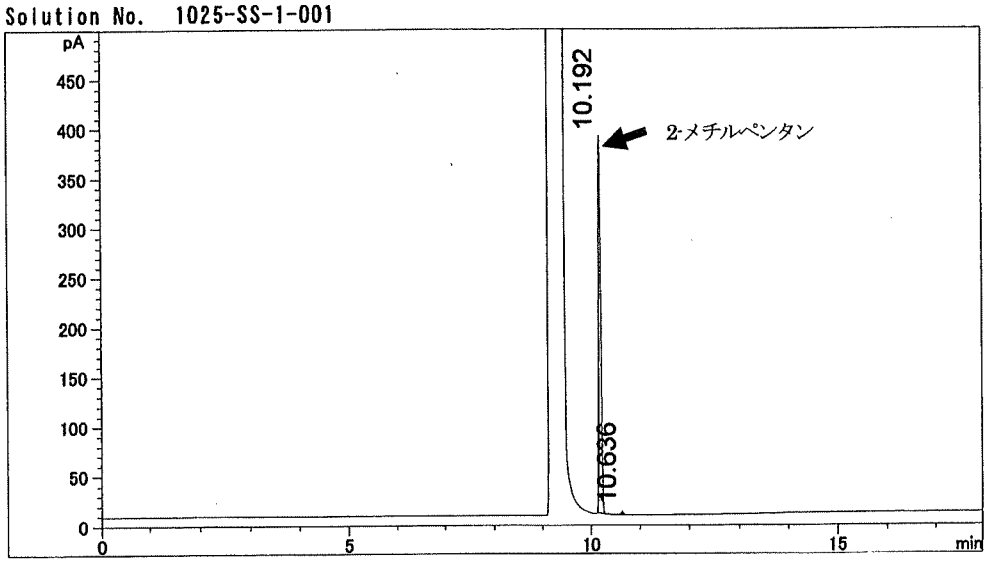


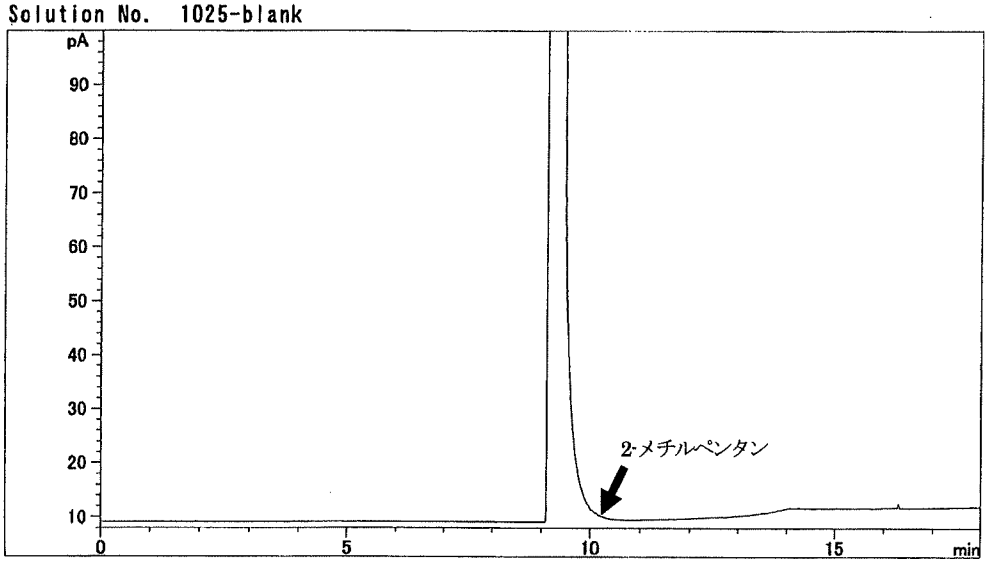
図 3　毒性試験における投与終了後に測定した標準物質 (ロット番号：UFU8O) の IR スペクトル (測定日：2018 年 1 月 10 日)



<Result>

#	Time	Area	Area %
1	10.192	1192.911	99.222
2	10.636	9.357	0.778

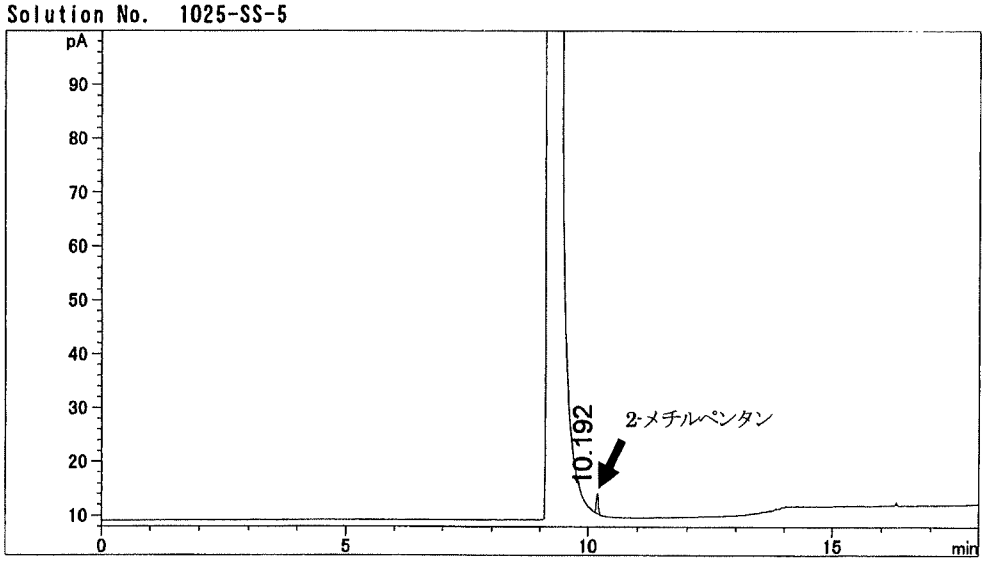
図 4　機器使用前点検のクロマトグラムの一例（測定日：2017 年 10 月 25 日）



<Result>

#	Time	Area	Area %

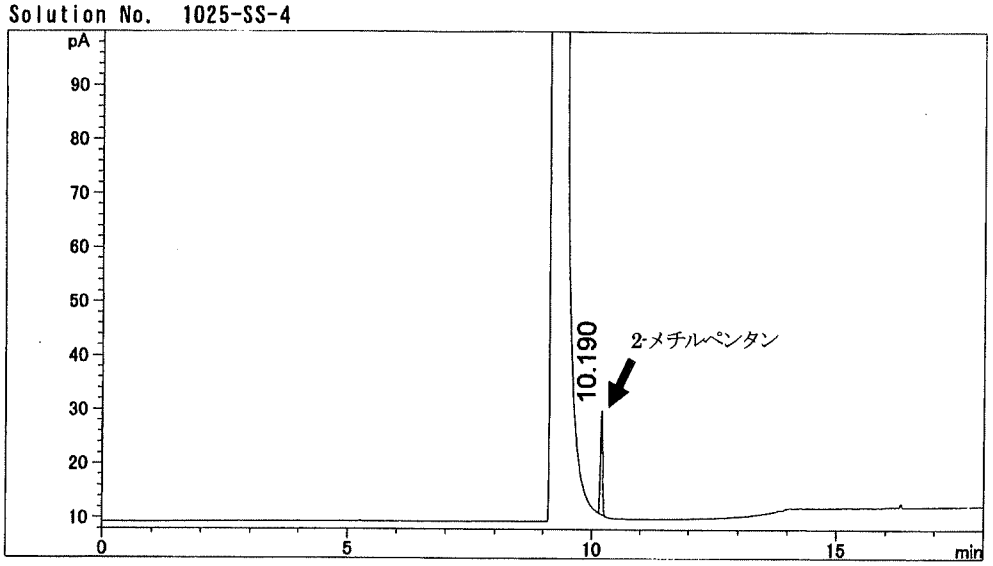
図 5 アセトンのクロマトグラム（測定日：2017 年 10 月 25 日）



<Result>

#	Time	Area	Area %
1	10.192	11.214	100.000

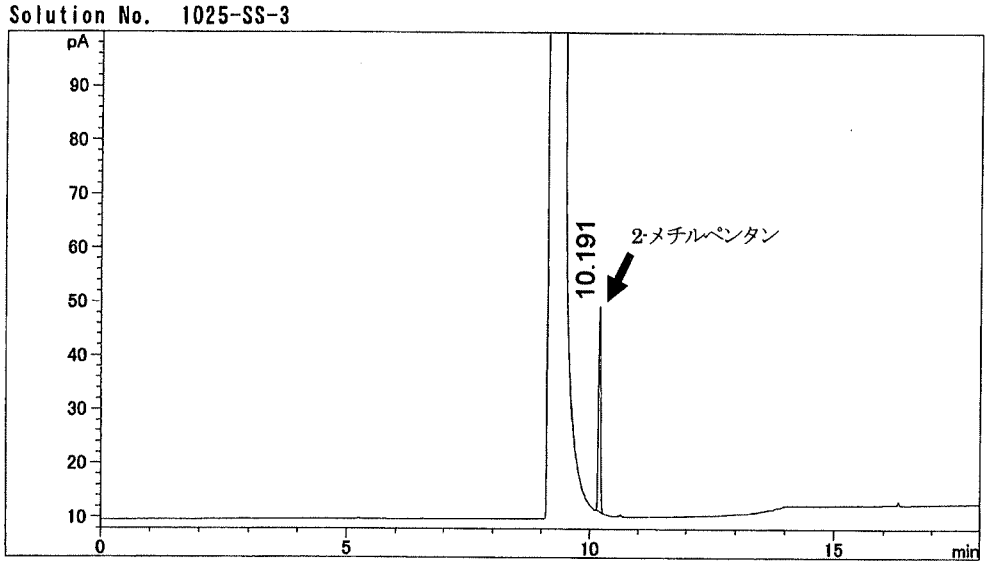
図 6 標準溶液（濃度 12 mg/L）の代表的なクロマトグラム（測定日：2017 年 10 月 25 日、試料 ID：1025-SS-5）



<Result>

#	Time	Area	Area %
1	10.190	60.028	100.000

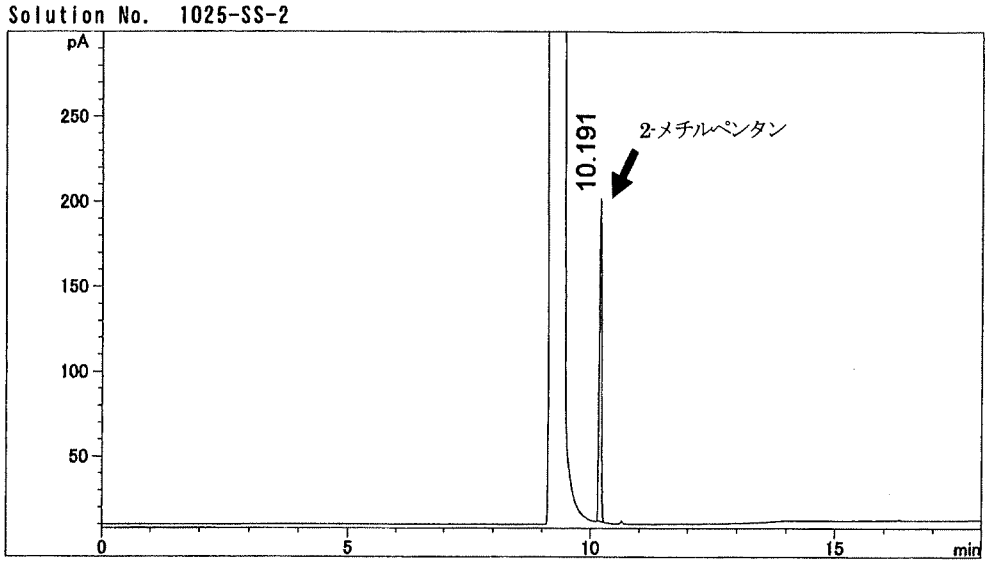
図 7 標準溶液(濃度 60 mg/L)の代表的なクロマトグラム(測定日:2017 年 10 月 25 日、試料 ID:1025-SS-4)



<Result>

#	Time	Area	Area %
1	10.191	118.819	100.000

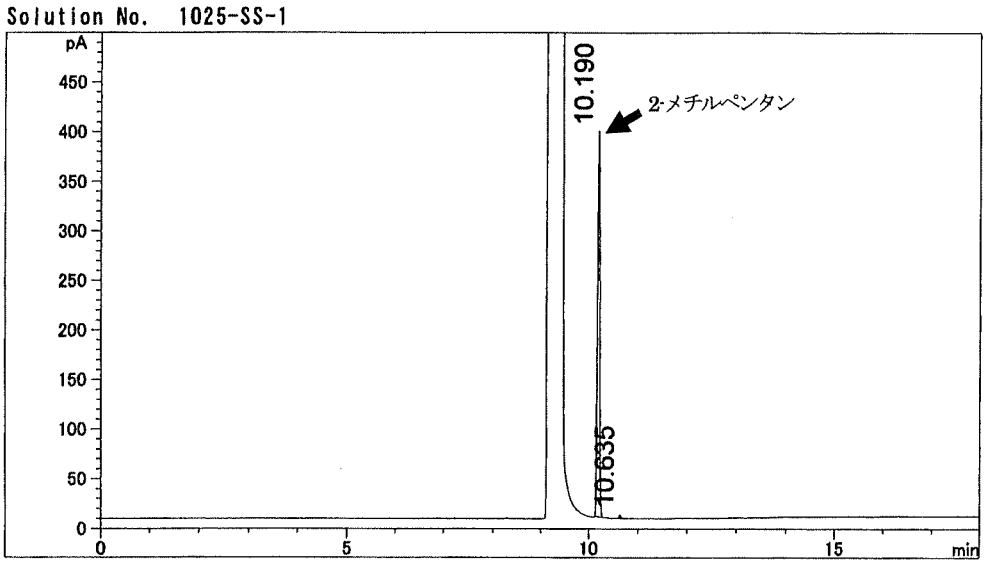
図 8 標準溶液(濃度 120 mg/L)の代表的なクロマトグラム(測定日:2017 年 10 月 25 日、試料 ID:1025-SS-3)



<Result>

#	Time	Area	Area %
1	10.191	597.294	100.000

図 9 標準溶液(濃度 600 mg/L)の代表的なクロマトグラム(測定日:2017 年 10 月 25 日、試料 ID:1025-SS-2)

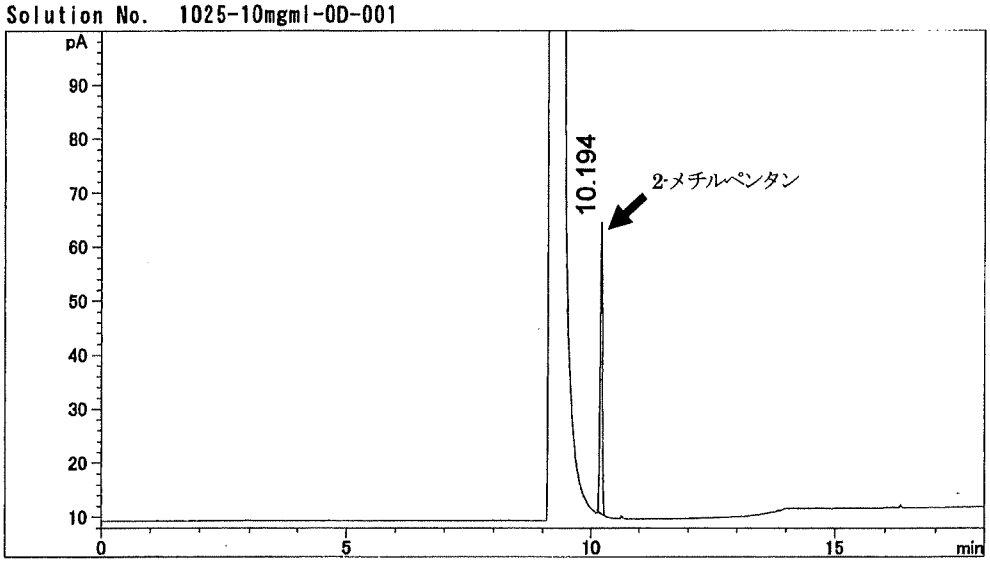


<Result>

#	Time	Area	Area %
1	10.190	1223.640	99.222
2	10.635	9.596	0.778

図 10 標準溶液(濃度 1200 mg/L)の代表的なクロマトグラム(測定日:2017 年 10 月 25 日、試料 ID:1025-SS-1)

Solution No. 1025-10mgml-0D-001

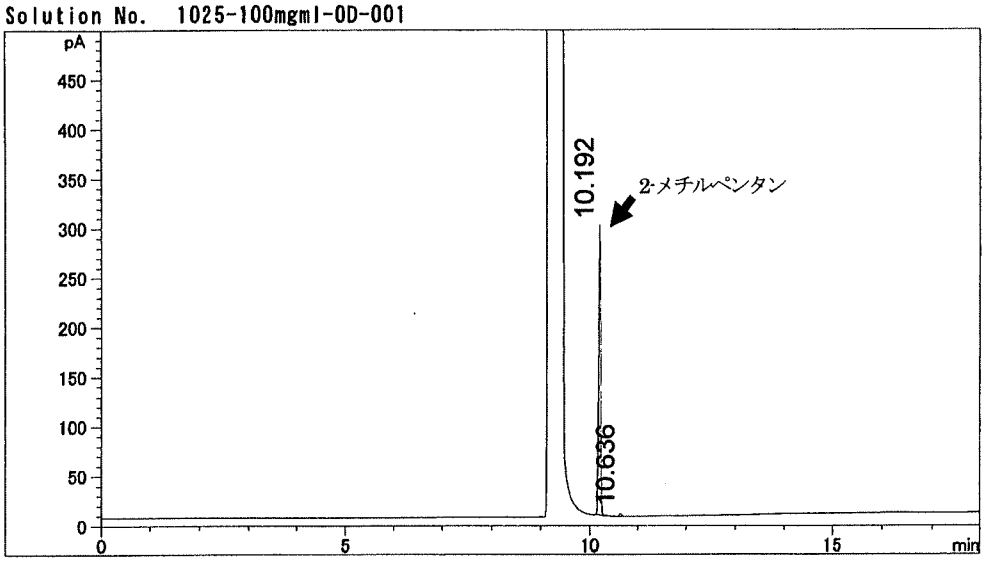


<Result>

#	Time	Area	Area %
1	10.194	168.078	100.000

図 11 調製直後安定性確認 10 mg/mL 模擬投与液のクロマトグラムの一例
(測定日：2017 年 10 月 25 日、試料 ID：1025-10mgml-0D-001)

Solution No. 1025-100mgml-0D-001

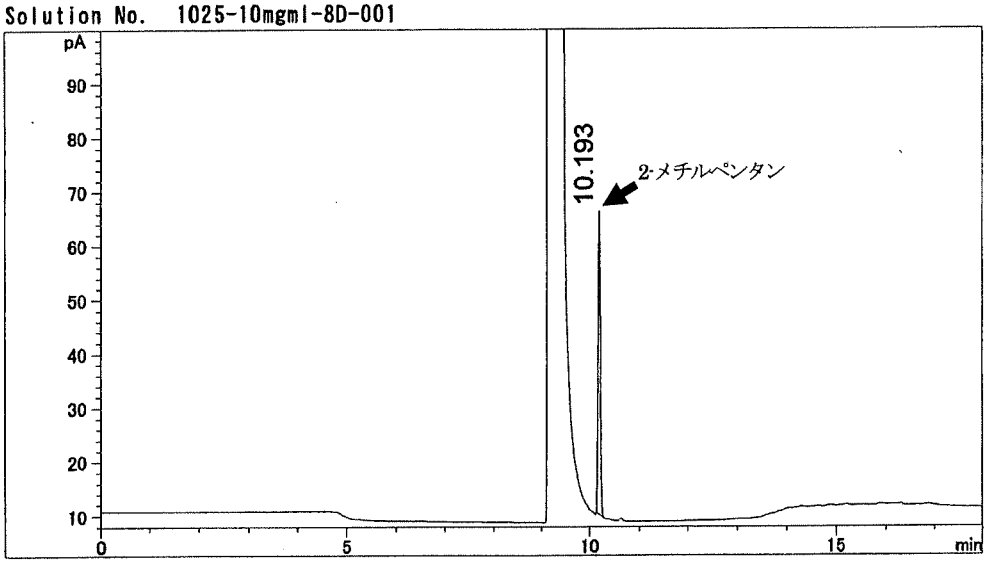


<Result>

#	Time	Area	Area %
1	10.192	918.438	99.222
2	10.636	7.197	0.778

図 12 調製直後安定性確認 100 mg/mL 模擬投与液のクロマトグラムの一例
(測定日：2017 年 10 月 25 日、試料 ID：1025-100mgml-0D-001)

Solution No. 1025-10mgml-8D-001

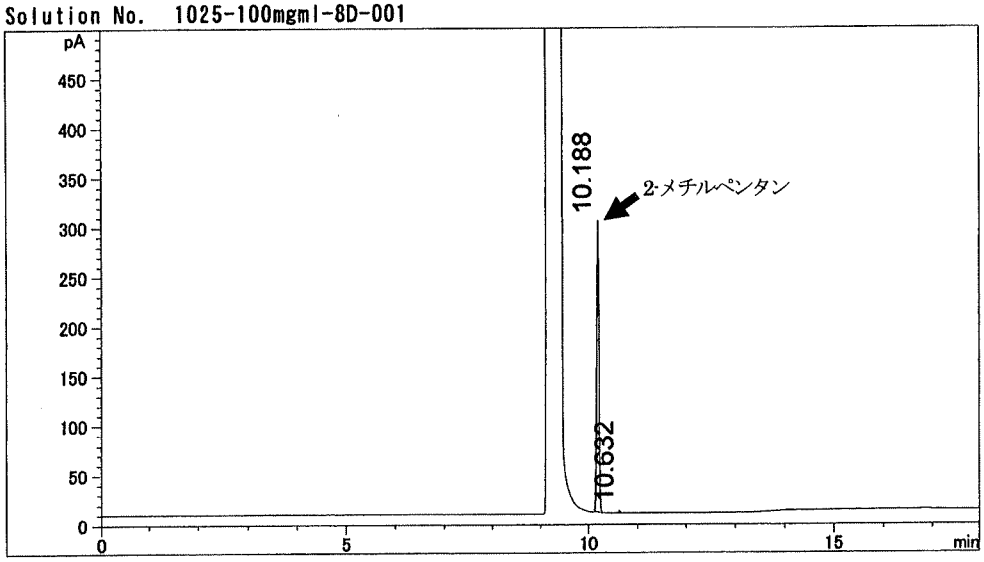


<Result>

#	Time	Area	Area %
1	10.193	175.361	100.000

図 13 保存安定性確認 10 mg/mL 模擬投与液のクロマトグラムの一例
(測定日：2017 年 11 月 2 日、試料 ID：1025-10mgml-8D-001)

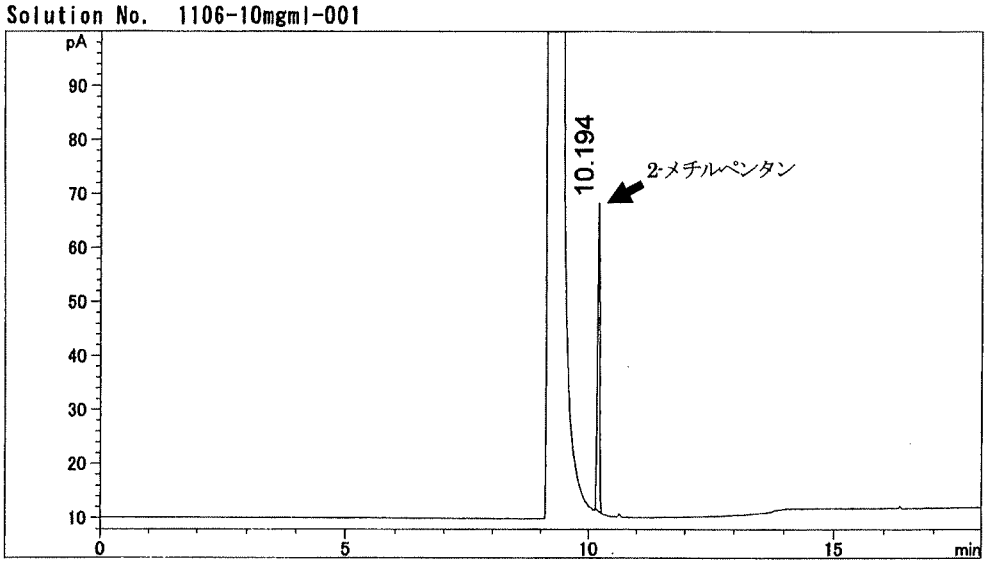
Solution No. 1025-100mgml-8D-001



<Result>

#	Time	Area	Area %
1	10.188	922.637	99.219
2	10.632	7.259	0.781

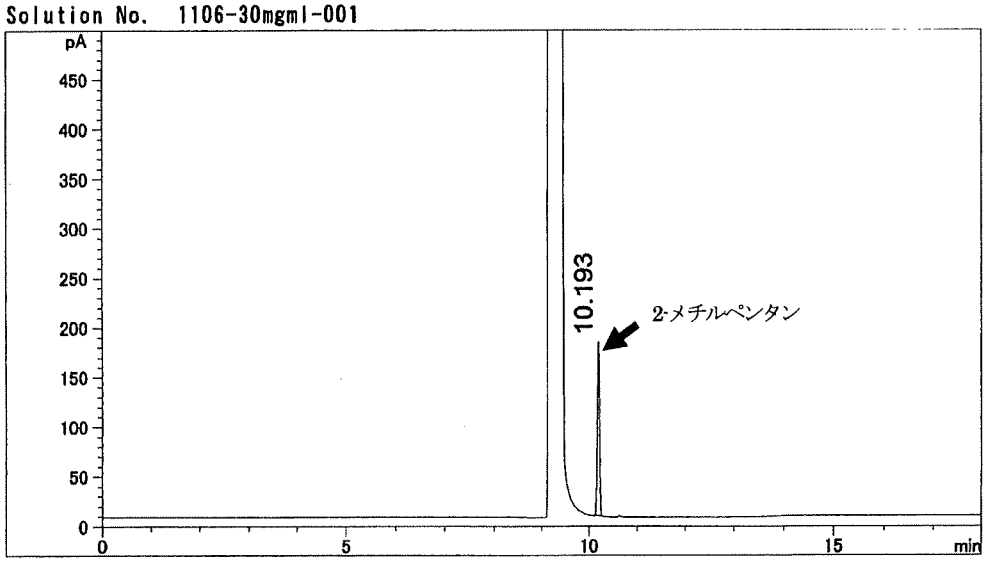
図 14 保存安定性確認 100 mg/mL 模擬投与液のクロマトグラムの一例
(測定日：2017 年 11 月 2 日、試料 ID：1025-100mgml-8D-001)



<Result>

#	Time	Area	Area %
1	10.194	178.407	100.000

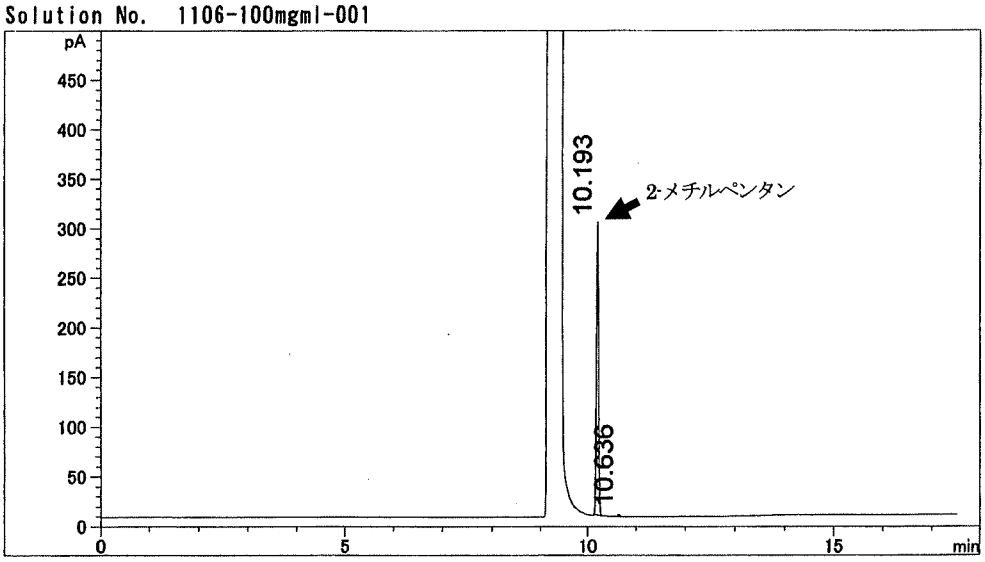
図 15 2017年11月4日調製10 mg/mL投与液のクロマトグラムの一例
(測定日：2017年11月6日、試料ID：1106-10mgml-001)



<Result>

#	Time	Area	Area %
1	10.193	552.707	100.000

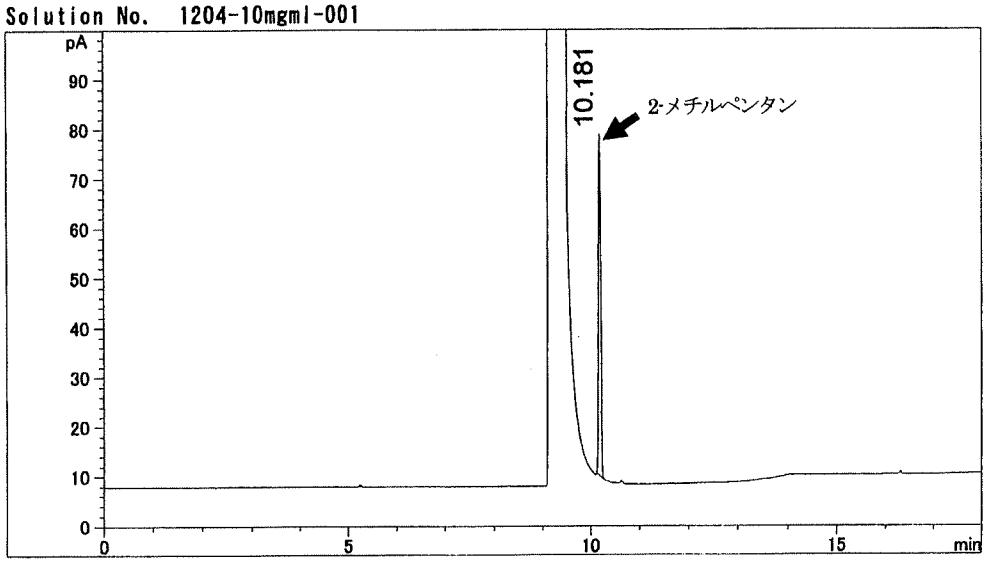
図 16 2017年11月4日調製30 mg/mL投与液のクロマトグラムの一例
(測定日：2017年11月6日、試料ID：1106-30mgml-001)



<Result>

#	Time	Area	Area %
1	10.193	927.165	99.222
2	10.636	7.270	0.778

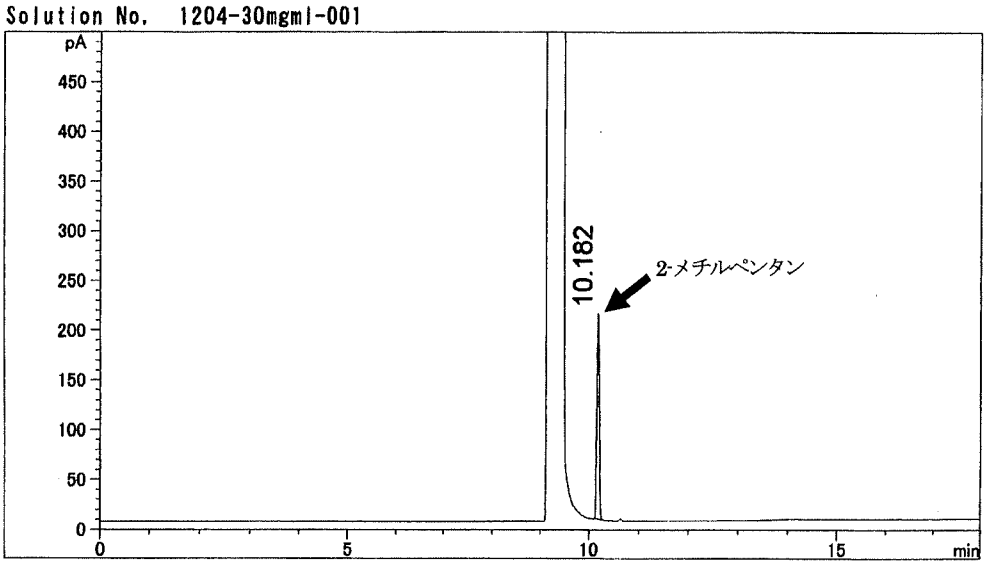
図 17 2017年11月4日調製100 mg/mL投与液のクロマトグラムの一例
(測定日：2017年11月6日、試料ID：1106-100mgml-001)



<Result>

#	Time	Area	Area %
1	10.181	221.414	100.000

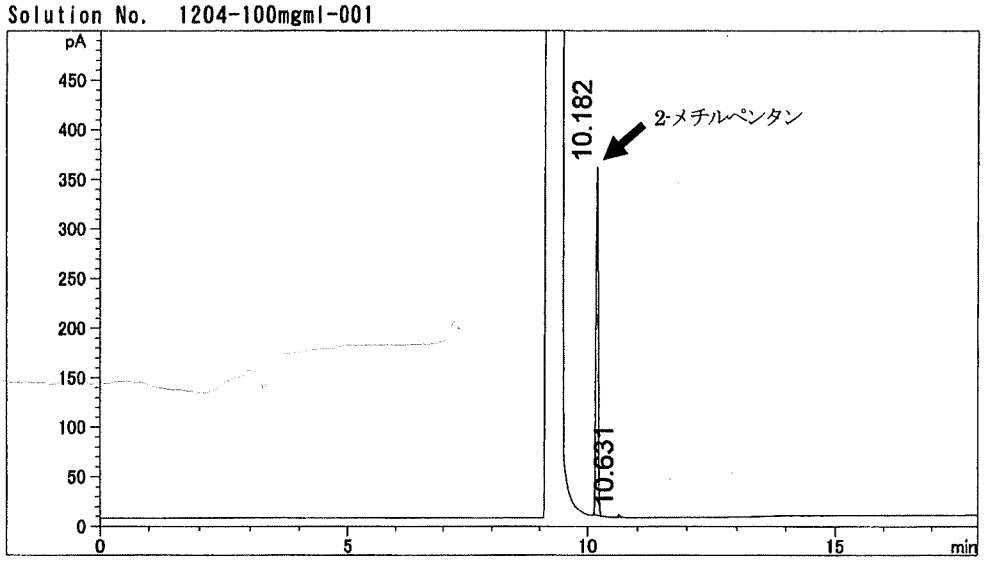
図 18 2017年12月1日調製10 mg/mL投与液のクロマトグラムの一例
(測定日：2017年12月4日、試料ID：1204-10mgml-001)



<Result>

#	Time	Area	Area %
1	10.182	659.576	100.000

図 19 2017年12月1日調製30 mg/mL投与液のクロマトグラムの一例
(測定日：2017年12月4日、試料ID：1204-30mgml-001)



<Result>

#	Time	Area	Area %
1	10.182	1127.579	99.219
2	10.631	8.873	0.781

図 20 2017年12月1日調製100 mg/mL投与液のクロマトグラムの一例
(測定日：2017年12月4日、試料ID：1204-100mgml-001)

添付資料 1: 中間報告書 No.1

試験計画書番号 17-225 Page 1 of 1

中間報告書

No. 1

試験計画書番号 17-225

試験名 投与液中の 2-メチルペンタンの安定性試験および濃度確認試験

試験項目 投与液中の 2-メチルペンタンの安定性確認

・調製直後試料の評価

試料名	理論濃度 (mg/mL)	定量値の平均濃度 (mg/mL)	真度 (%)	判定基準 (%)
10 mg/mL 模擬投与液 (調製直後試料)	10	9.05	-9.5	±15
100 mg/mL 模擬投与液 (調製直後試料)	100	99.1	-0.9	

各模擬投与液中における 2-メチルペンタンの濃度を分析した結果、すべてにおいて判定基準を満たしたため、すべての模擬投与液において設定濃度に調製されたことが確認された。

・保存安定性確認試料の評価

試料名	調製直後試料の平均濃度 (mg/mL)	保存安定性確認試料の平均濃度 (mg/mL)	変化率 (%)	判定基準 (%)
10 mg/mL 模擬投与液	9.05	9.12	100.8	100±15
100 mg/mL 模擬投与液	99.1	96.9	97.8	

各模擬投与液中における 2-メチルペンタンの安定性を評価した結果、冷蔵保存 8 日かつ室温保存 6 時間において判定基準を満たし、安定性が確認された。

試験責任者： [redacted] 日付 11/2/2017

株式会社 日曹分析センター (NCAS)

〒250-0216 神奈川県小田原市高田 345 株式会社 日曹分析センター

添付資料 2: 中間報告書 No.2

試験計画書番号 17-225 Page 1 of 1

中間報告書

No. 2

試験計画書番号 17-225

試験名 投与液中の 2-メチルペンタンの安定性試験および濃度確認試験

試験項目 投与液中の 2-メチルペンタンの濃度測定

・投与液（2017 年 11 月 4 日調製）

試料名	設定濃度 (mg/mL)	定量値の平均濃度 (mg/mL)	真度 (%)	相対標準偏差 (%)
10 mg/mL 調製液	10	9.55	-4.5	0.0
30 mg/mL 調製液	30	29.4	-2.0	0.6
100 mg/mL 調製液	100	99.8	-0.2	1.1

判定基準：真度が±15%以内、相対標準偏差が±15%以内

10、30 および 100 mg/mL 投与液中における 2-メチルペンタンを分析した結果、すべてにおいて判定基準を満たしたため、すべての投与液において設定濃度に調製されたことが確認された。

試験責任者： [redacted] 日付 11/6/2017

株式会社 日曹分析センター (NCAS)

〒250-0216 神奈川県小田原市高田 345 株式会社 日曹分析センター

添付資料 3: 中間報告書 No.3

試験計画書番号 17-225 Page 1 of 1

中間報告書

No. 3

試験計画書番号 17-225

試験名 投与液中の 2-メチルペンタンの安定性試験および濃度確認試験

試験項目 投与液中の 2-メチルペンタンの濃度測定

・投与液（2017 年 12 月 1 日調製）

試料名	設定濃度 (mg/mL)	定量値の平均濃度 (mg/mL)	真度 (%)	相対標準偏差 (%)
10 mg/mL 調製液	10	9.59	-4.1	1.3
30 mg/mL 調製液	30	29.4	-2.0	5.1
100 mg/mL 調製液	100	93.2	-6.8	5.2

判定基準：真度が±15%以内、相対標準偏差が±15%以内

10、30 および 100 mg/mL 投与液中における 2-メチルペンタンを分析した結果、すべてにおいて判定基準を満たしたため、すべての投与液において設定濃度に調製されたことが確認された。

試験責任者： [redacted] 日付 12/5/2017

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