| | Male | |
|---|---|---|
| | **Treatment Groups (mg/kg)** | |
| | **2 IV** | **20 IV** |
| | **Plasma** | |
| $C_{0min(pred)}$ (mg/kg) | 0.745　±　0.15 | 1.00　±　0.20 |
| Alpha (minute^-1) | 0.0563　±　0.0058 | 0.0464　±　0.0056 |
| $t_{1/2(Alpha)}$ (minute) | 12.3　±　1.3 | 14.9　±　1.8 |
| Beta (minute^-1) | 0.00230　±　0.00025 | 0.00249　±　0.00027 |
| $t_{1/2(Beta)}$ (minute) | 301　±　32 | 279　±　31 |
| Cl (mL/min/kg) | 57.5　±　5.5 | 35.9　±　3.4 |
| $V_1$ (mL/kg) | 1020　±　97 | 775.0　±　73 |
| $AUC_{0-t}$ (ug*min/g) | 32.8　±　3.1 | 525　±　50 |
| $AUC_{inf}$ (ug*min/g) | 39.2　±　1.8 | 632　±　20 |

**Experiment Number:** C93025
**Route:** IV
**Species/Strain:** Rat/F344/N

**Toxicokinetics Data Summary**
**Test Compound:** Tetralin
**CAS Number:** 119-64-2

**Date Report Requested:** 02/09/2017
**Time Report Requested:** 12:42:51
**Lab:** Battelle Northwest Laboratory

| | Female | |
|---|---|---|
| | **Treatment Groups (mg/kg)** | |
| | **2 IV** | **20 IV** |
| | **Plasma** | |
| $C_{0min(pred)}$ (mg/kg) | 0.665 ± 0.12 | 1.14 ± 0.15 |
| Alpha (minute^-1) | 0.0655 ± 0.0055 | 0.0550 ± 0.0038 |
| $t_{1/2(Alpha)}$ (minute) | 10.6 ± 0.9 | 12.6 ± 0.9 |
| Beta (minute^-1) | 0.00266 ± 0.00028 | 0.00247 ± 0.00018 |
| $t_{1/2(Beta)}$ (minute) | 260 ± 27 | 281 ± 20 |
| Cl (mL/min/kg) | 72.8 ± 6.5 | 37.6 ± 2.6 |
| $V_1$ (mL/kg) | 1112 ± 99 | 684 ± 48 |
| $AUC_{0-t}$ (ug*min/g) | 25.9 ± 2.3 | 501 ± 35 |
| $AUC_{inf}$ (ug*min/g) | 32.3 ± 0.7 | 560 ± 19 |

**Experiment Number:** C93025  
**Route:** IV  
**Species/Strain:** Rat/F344/N  

**Toxicokinetics Data Summary**  
**Test Compound:** Tetralin  
**CAS Number:** 119-64-2  

**Date Report Requested:** 02/09/2017  
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**Lab:** Battelle Northwest Laboratory

LEGEND

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Study Start Date: March 31, 2003.

Data are displayed as mean ± SEM

MODELING METHOD & BEST FIT MODEL

      SAS version 8.2 PROC NLIN, SAS Institute Inc., Cary, NC; bi-exponential elimination model-The data were weighted by 1/(mean blood Tetralin concentration)^2 when fitting.

ANALYTE

      Tetralin

TK PARAMETERS

      $C_{0min}$(pred) = Fitted plasma concentration at time zero (IV only)

      Alpha = Hybrid rate constant of the alpha phase

      $t_{\frac{1}{2}}$(alpha) = Half-life for the alpha phase

      Beta = Hybrid rate constant of the beta phase

      $t_{\frac{1}{2}}$(beta) = Half-life for the beta phase

      Cl = Clearance, includes total clearance

      $V_1$ = Volume of distribution of the central compartment, includes $V_d$ and $V_{volume}$ of distribution, $V_z$ apparent volume of distribution NCA, $V_{app}$ apparent volume of distribution for intravenous studies

      MRT = Mean residence time

      $AUC_{0-t}$ = Area under the plasma concentration versus time curve, AUC, from time ti (initial) to tf (final), AUClast

      $AUC_{inf}$ = Area under the plasma concentration versus time curve, AUC, extrapolated to time equals infinity

## ** END OF REPORT **