

**Experiment Number:** C55301B  
**Route:** Gavage, IV  
**Species/Strain:** Mouse/B6C3F1

**Toxicokinetics Data Summary**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 11/09/2016  
**Time Report Requested:** 14:04:14  
**Lab:** T.S.I. Mason Laboratories, Inc.

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**Male**

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**Treatment Groups (mg/kg)**

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**10**

**50**

**200**

**10 IV**

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**Plasma**

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$C_{max}$ (ug/mL)	4.7	4.8	5.7	5.3
$T_{max}$ (minute)	10.0	10.0	40.0	2.0
$t_{1/2}$ (minute)	30.0	149.0	1433.0	33.0
$AUC_{0-t}$ (min*ug/ml)	295.0 ± 39.0	7203.0 ± 416.0	39493.0 ± 3148.0	377.0 ± 63.0
F (fraction)	0.78 ± 0.19			

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	<b>Female</b>			
	<b>Treatment Groups (mg/kg)</b>			
	<b>10</b>	<b>50</b>	<b>200</b>	<b>10 IV</b>
	<b>Plasma</b>			
C <sub>max</sub> (ug/mL)	39.4	101.7	108.8	35.6
T <sub>max</sub> (minute)	10.0	10.0	40.0	2.0
t <sub>1/2</sub> (minute)	57.0	349.0	2134.0	22.0
AUC <sub>0-t</sub> (min*ug/ml)	613.0 ± 53.0	8724.0 ± 460.0	47483.0 ± 2126.0	521.0 ± 78.0
F (fraction)				1.18 ± 0.2

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## LEGEND

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Data are displayed as mean  $\pm$  SEM

### ANALYTE

Pyridine

### TK PARAMETERS

$C_{max}$  = Observed or Predicted Maximum plasma (or tissue) concentration

$T_{max}$  = Time at which  $C_{max}$  predicted or observed occurs

$t_{1/2}$  =  $\lambda_z$  half-life,  $t_{1/2}$ , the terminal elimination half-life based on non-compartmental analysis

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

F = Bioavailability, absolute bioavailability

**\*\* END OF REPORT \*\***