

Study Number: C12010-01
Test Type: TOX
Route: Oral Gavage
Species/Strain: Rat/Harlan Sprague Dawley

PA48: Summary of Tissue Concentration
Test Compound: Drometrizole
CAS Number: 2440-22-4

Date Report Requested: 10/10/2023
Time Report Requested: 16:07:32
Lab: Battelle

Study Number: C12010-01
Study Sex: Male
PWG Approval Date: See web page for date of PWG Approval
Version: v1.5.3
Stat Version: 2023.02.27S

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		Male					
Phase	Dose (mg/kg)	0	30	100		300	
SD 14	Plasma Free Drometrizole Concentration (ng/ml)	BD	BD	3.88 ±	1.50 (5)	16.0 ±	10.2 (5)
SD 14	Plasma Free Drometrizole Concentration (nM)	BD	BD	17.2 ±	6.66 (5)	71.1 ±	45.3 (5)
SD 14	Plasma Total Drometrizole Concentration (ng/ml)	BD	66.0 ± 28.7 (5)	815 ±	268 (5)	1990 ±	1160 (5)
SD 14	Plasma Total Drometrizole Concentration (nM)	BD	293 ± 127 (5)	3620 ±	1190 (5)	8820 ±	5150 (5)

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Male			
Phase	Dose (mg/kg)	1000	
SD 14	Plasma Free Drometrizole Concentration (ng/ml)	29.5 ±	13.9 (5)
SD 14	Plasma Free Drometrizole Concentration (nM)	131 ±	61.8 (5)
SD 14	Plasma Total Drometrizole Concentration (ng/ml)	3450 ± 1570	(5)
SD 14	Plasma Total Drometrizole Concentration (nM)	15300 ± 6950	(5)

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LEGEND

Data are displayed as mean $\pm$ SEM (N) unless otherwise noted.

SD – Study Day

If over 20% of the animals in a group were above the limit of detection, then 1/2 the limit of detection value was substituted for values that were below the limit of detection.

BD - Group did not have over 20% of its values above the limit of detection.

When the control group did not have over 20% of its values above the limit of detection, no mean or standard error were calculated and no statistical analysis was done for the endpoint.

Statistical analysis was performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

Values adjusted for molar concentration were calculated by dividing the absolute measurement by the molecular weight of 225.25 g/mol

**** END OF REPORT ****