

Study Number: C05049-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Gender:

PWG Approval Date

PA06: Organ Weights Summary

Test Compound: 1-Ethyl-3-Methylimidazolium Chloride

CAS Number: 65039-09-0

C05049-03

Both

See web page for date of PWG Approval

Date Report Requested: 05/12/2020

Time Report Requested: 12:51:37

Lab: NTP

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Males

Treatment Groups (mg/ml)

	0	3	10	30	100
Terminal Body Wt. (g)	278.3 ± 3.4 (10) **	276.9 ± 5.6 (5)	260.7 ± 5.9 (5) **	170.3 ± 3.5 (5) **	90.3 ± 2.0 (5) **
Heart					
Absolute (g)	0.11 ± 0.00 (10) **	0.12 ± 0.00 (5)	0.11 ± 0.00 (5)	0.09 ± 0.00 (5) **	0.04 ± 0.00 (5) **
Relative (mg/g)	0.38 ± 0.00 (10) **	0.42 ± 0.01 (5) *	0.44 ± 0.01 (5) **	0.54 ± 0.01 (5) **	0.49 ± 0.03 (5) **
R. Kidney					
Absolute (g)	0.11 ± 0.00 (10) **	0.11 ± 0.00 (5)	0.11 ± 0.00 (5)	0.08 ± 0.00 (5) **	0.06 ± 0.00 (5) **
Relative (mg/g)	0.41 ± 0.01 (10) **	0.41 ± 0.01 (5)	0.41 ± 0.01 (5)	0.46 ± 0.01 (5) **	0.64 ± 0.02 (5) **
Liver					
Absolute (g)	1.36 ± 0.04 (10) **	1.34 ± 0.03 (5)	1.20 ± 0.02 (5) **	0.82 ± 0.03 (5) **	0.29 ± 0.02 (5) **
Relative (mg/g)	4.88 ± 0.10 (10) **	4.83 ± 0.10 (5)	4.61 ± 0.04 (5)	4.81 ± 0.13 (5)	3.24 ± 0.20 (5) **
Lung					
Absolute (g)	0.17 ± 0.01 (10) **	0.17 ± 0.00 (5)	0.16 ± 0.01 (5)	0.12 ± 0.01 (5) **	0.09 ± 0.00 (5) **
Relative (mg/g)	0.60 ± 0.02 (10) **	0.63 ± 0.02 (5)	0.60 ± 0.03 (5)	0.68 ± 0.03 (5)	0.97 ± 0.04 (5) **
R. Testis					
Absolute (g)	0.158 ± 0.004 (10) **	0.163 ± 0.003 (5)	0.159 ± 0.005 (5)	0.148 ± 0.003 (5)	0.094 ± 0.007 (5) **
Relative (mg/g)	0.57 ± 0.02 (10) **	0.59 ± 0.01 (5)	0.61 ± 0.02 (5)	0.87 ± 0.02 (5) **	1.05 ± 0.09 (5) **
Thymus					
Absolute (g)	0.061 ± 0.003 (10) **	0.060 ± 0.005 (5)	0.065 ± 0.007 (5)	0.030 ± 0.002 (5) **	0.032 ± 0.004 (5) **
Relative (mg/g)	0.22 ± 0.01 (10)	0.22 ± 0.02 (5)	0.25 ± 0.02 (5)	0.18 ± 0.01 (5)	0.36 ± 0.04 (5) **

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Females

Treatment Groups (mg/ml)

	0	3	10	30	100
Terminal Body Wt. (g)	183.1 ± 1.9 (10) **	189.7 ± 2.5 (5)	175.8 ± 3.4 (5)	128.0 ± 8.2 (5) **	69.6 ± 1.3 (5) **
Heart					
Absolute (g)	0.08 ± 0.00 (10) *	0.08 ± 0.00 (5)	0.08 ± 0.00 (5)	0.07 ± 0.01 (5)	0.04 ± 0.00 (5) **
Relative (mg/g)	0.42 ± 0.01 (10) **	0.44 ± 0.01 (5)	0.45 ± 0.01 (5)	0.56 ± 0.03 (5) **	0.55 ± 0.02 (5) **
R. Kidney					
Absolute (g)	0.07 ± 0.00 (10) **	0.08 ± 0.00 (5)	0.08 ± 0.00 (5)	0.06 ± 0.00 (5) **	0.04 ± 0.00 (5) **
Relative (mg/g)	0.40 ± 0.01 (10) **	0.40 ± 0.01 (5)	0.43 ± 0.02 (5)	0.47 ± 0.02 (5) **	0.63 ± 0.03 (5) **
Liver					
Absolute (g)	0.77 ± 0.02 (10) **	0.80 ± 0.03 (5)	0.74 ± 0.03 (5)	0.56 ± 0.05 (5) **	0.24 ± 0.01 (5) **
Relative (mg/g)	4.19 ± 0.07 (10)	4.21 ± 0.09 (5)	4.20 ± 0.12 (5)	4.32 ± 0.18 (5)	3.39 ± 0.14 (5) **
Lung					
Absolute (g)	0.13 ± 0.00 (10) **	0.13 ± 0.01 (5)	0.13 ± 0.00 (5)	0.10 ± 0.01 (5) **	0.07 ± 0.00 (5) **
Relative (mg/g)	0.73 ± 0.02 (10) **	0.70 ± 0.04 (5)	0.72 ± 0.02 (5)	0.80 ± 0.03 (5)	1.06 ± 0.04 (5) **
Thymus					
Absolute (g)	0.040 ± 0.001 (10) **	0.041 ± 0.001 (5)	0.036 ± 0.003 (5)	0.028 ± 0.006 (5) **	0.003 ± 0.000 (5) **
Relative (mg/g)	0.22 ± 0.01 (10) *	0.22 ± 0.01 (5)	0.21 ± 0.02 (5)	0.21 ± 0.04 (5)	0.04 ± 0.01 (5) **

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LEGEND

Values are displayed as mean \pm SEM (N).

Relative organ weights (organ-weight-to-body-weight ratios) are given as mg organ weight/g body weight

Statistical analysis performed by Jonckheere (trend) and Williams or Dunnett (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 $P \leq 0.01$

**** END OF REPORT ****