

Study Number: C07018-01

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

C07018-01

Both

See web page for date of PWG Approval

Date Report Requested: 05/12/2020

Time Report Requested: 08:21:34

Lab: NTP

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Males

Treatment Groups (mg/mL)

	0	1	3	10
Terminal Body Wt. (g)	424.6 ± 4.7 (10)	434.5 ± 9.1 (10)	436.1 ± 10.5 (10)	411.9 ± 11.3 (10)
Heart				
Absolute (g)	1.55 ± 0.03 (10)	1.63 ± 0.05 (10)	1.57 ± 0.05 (10)	1.56 ± 0.06 (10)
Relative (mg/g)	3.64 ± 0.06 (10)	3.75 ± 0.07 (10)	3.60 ± 0.07 (10)	3.79 ± 0.06 (10)
R. Kidney				
Absolute (g)	1.44 ± 0.03 (10)	1.48 ± 0.05 (10)	1.42 ± 0.04 (10)	1.44 ± 0.05 (10)
Relative (mg/g)	3.39 ± 0.08 (10)	3.40 ± 0.05 (10)	3.25 ± 0.05 (10)	3.51 ± 0.08 (10)
Liver				
Absolute (g)	15.81 ± 0.35 (10)	16.44 ± 0.64 (10)	16.33 ± 0.66 (10)	15.11 ± 0.49 (10)
Relative (mg/g)	37.24 ± 0.69 (10)	37.77 ± 0.92 (10)	37.33 ± 0.73 (10)	36.65 ± 0.37 (10)
Lung				
Absolute (g)	2.74 ± 0.08 (10)	2.70 ± 0.17 (10)	2.68 ± 0.17 (10)	2.69 ± 0.16 (10)
Relative (mg/g)	6.47 ± 0.20 (10)	6.23 ± 0.39 (10)	6.14 ± 0.35 (10)	6.51 ± 0.32 (10)
R. Testis				
Absolute (g)	1.951 ± 0.064 (10)	2.031 ± 0.035 (10)	1.985 ± 0.031 (10)	1.941 ± 0.034 (10)
Relative (mg/g)	4.60 ± 0.15 (10)	4.69 ± 0.10 (10)	4.57 ± 0.10 (10)	4.74 ± 0.11 (10)
Thymus				
Absolute (g)	0.314 ± 0.017 (10)	0.370 ± 0.018 (10)	0.331 ± 0.012 (10)	0.321 ± 0.024 (10)
Relative (mg/g)	0.74 ± 0.04 (10)	0.85 ± 0.04 (10)	0.76 ± 0.02 (10)	0.77 ± 0.04 (10)

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Females

Treatment Groups (mg/mL)

	0	1	3	10
Terminal Body Wt. (g)	254.5 ± 7.3 (10)	256.3 ± 7.1 (10)	246.9 ± 7.0 (10)	241.1 ± 5.6 (10)
Heart				
Absolute (g)	1.02 ± 0.04 (10)	1.08 ± 0.02 (10)	1.00 ± 0.04 (10)	1.04 ± 0.03 (10)
Relative (mg/g)	4.03 ± 0.12 (10)	4.21 ± 0.09 (10)	4.06 ± 0.07 (10)	4.30 ± 0.05 (10)
R. Kidney				
Absolute (g)	0.84 ± 0.03 (10)	0.86 ± 0.03 (10)	0.87 ± 0.02 (10)	0.88 ± 0.02 (10)
Relative (mg/g)	3.29 ± 0.06 (10) **	3.36 ± 0.07 (10)	3.52 ± 0.07 (10) *	3.64 ± 0.06 (10) **
Liver				
Absolute (g)	9.20 ± 0.37 (10)	9.83 ± 0.54 (10)	8.84 ± 0.39 (10)	8.94 ± 0.27 (10)
Relative (mg/g)	36.09 ± 0.81 (10)	38.23 ± 1.31 (10)	35.72 ± 0.95 (10)	37.09 ± 0.90 (10)
Lung				
Absolute (g)	1.81 ± 0.10 (10)	1.92 ± 0.12 (10)	2.05 ± 0.16 (10)	1.82 ± 0.10 (10)
Relative (mg/g)	7.07 ± 0.28 (10)	7.48 ± 0.43 (10)	8.26 ± 0.54 (10)	7.53 ± 0.35 (10)
Thymus				
Absolute (g)	0.230 ± 0.008 (10)	0.230 ± 0.015 (10)	0.254 ± 0.022 (10)	0.244 ± 0.014 (10)
Relative (mg/g)	0.91 ± 0.04 (10)	0.89 ± 0.05 (10)	1.03 ± 0.08 (10)	1.01 ± 0.05 (10)

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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 ****