

**Study Number:** C50050-01

**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-Butyl-3-Methylimidazolium Chloride

**CAS Number:** 79917-90-1

C50050-01

Both

See web page for date of PWG Approval

**Date Report Requested:** 05/12/2020

**Time Report Requested:** 08:37:05

**Lab:** NTP

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Males

Treatment Groups (mg/mL)

	0	0.1	0.3	1
Terminal Body Wt. (g)	424.7 ± 8.7 (10)	405.0 ± 6.2 (10)	408.3 ± 13.5 (10)	398.9 ± 8.8 (10)
Heart				
Absolute (g)	1.56 ± 0.04 (10) *	1.50 ± 0.02 (10)	1.45 ± 0.04 (10)	1.43 ± 0.03 (10) *
Relative (mg/g)	3.66 ± 0.07 (10)	3.71 ± 0.04 (10)	3.55 ± 0.06 (10)	3.60 ± 0.07 (10)
R. Kidney				
Absolute (g)	1.45 ± 0.04 (10)	1.42 ± 0.02 (10)	1.43 ± 0.06 (10)	1.36 ± 0.03 (10)
Relative (mg/g)	3.41 ± 0.07 (10)	3.52 ± 0.06 (10)	3.50 ± 0.07 (10)	3.42 ± 0.07 (10)
Liver				
Absolute (g)	16.41 ± 0.63 (10)	16.39 ± 0.45 (10)	16.36 ± 0.81 (10)	15.82 ± 0.41 (10)
Relative (mg/g)	38.55 ± 0.96 (10)	40.44 ± 0.74 (10)	39.97 ± 1.17 (10)	39.66 ± 0.53 (10)
Lung				
Absolute (g)	2.42 ± 0.11 (10)	2.50 ± 0.11 (10)	2.51 ± 0.13 (10)	2.51 ± 0.10 (10)
Relative (mg/g)	5.69 ± 0.22 (10)	6.16 ± 0.21 (10)	6.17 ± 0.32 (10)	6.30 ± 0.22 (10)
R. Testis				
Absolute (g)	2.038 ± 0.049 (10)	1.962 ± 0.055 (10)	2.012 ± 0.034 (10)	1.966 ± 0.061 (10)
Relative (mg/g)	4.80 ± 0.08 (10)	4.85 ± 0.13 (10)	4.97 ± 0.16 (10)	4.92 ± 0.08 (10)
Thymus				
Absolute (g)	0.350 ± 0.011 (10)	0.314 ± 0.017 (10)	0.308 ± 0.020 (10)	0.317 ± 0.010 (10)
Relative (mg/g)	0.83 ± 0.03 (10)	0.78 ± 0.05 (10)	0.76 ± 0.06 (10)	0.80 ± 0.02 (10)

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Females

Treatment Groups (mg/mL)

	0	0.1	0.3	1
Terminal Body Wt. (g)	244.3 ± 5.6 (10)	241.5 ± 4.5 (10)	250.8 ± 3.8 (10)	233.3 ± 3.5 (10)
Heart				
Absolute (g)	0.97 ± 0.03 (10)	0.96 ± 0.03 (10)	0.98 ± 0.03 (10)	0.99 ± 0.02 (10)
Relative (mg/g)	3.98 ± 0.06 (10)	3.98 ± 0.09 (10)	3.90 ± 0.08 (10)	4.22 ± 0.07 (10)
R. Kidney				
Absolute (g)	0.82 ± 0.02 (10)	0.78 ± 0.02 (10)	0.80 ± 0.01 (10)	0.79 ± 0.01 (10)
Relative (mg/g)	3.38 ± 0.09 (10)	3.23 ± 0.08 (10)	3.19 ± 0.04 (10)	3.37 ± 0.06 (10)
Liver				
Absolute (g)	8.40 ± 0.26 (10)	7.99 ± 0.25 (10)	8.78 ± 0.16 (10)	7.96 ± 0.24 (10)
Relative (mg/g)	34.37 ± 0.62 (10)	33.08 ± 0.71 (10)	35.03 ± 0.65 (10)	34.08 ± 0.73 (10)
Lung				
Absolute (g)	1.89 ± 0.10 (10) *	1.72 ± 0.06 (10)	1.79 ± 0.09 (10)	1.60 ± 0.04 (10) *
Relative (mg/g)	7.73 ± 0.36 (10)	7.13 ± 0.20 (10)	7.11 ± 0.31 (10)	6.86 ± 0.17 (10)
Thymus				
Absolute (g)	0.247 ± 0.012 (10)	0.238 ± 0.014 (10)	0.265 ± 0.015 (10)	0.203 ± 0.010 (10)
Relative (mg/g)	1.01 ± 0.05 (10)	0.99 ± 0.06 (10)	1.05 ± 0.05 (10)	0.87 ± 0.03 (10)

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LEGEND

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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 \*\***