

**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-Butyl-1-Methylpyrrolidinium Chloride

**CAS Number:** 479500-35-1

C05049-03

Both

See web page for date of PWG Approval

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

**Time Report Requested:** 12:52:32

**Lab:** NTP

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Males

Treatment Groups (mg/ml)

	0	1	3	6
Terminal Body Wt. (g)	278.3 ± 3.4 (10) **	281.0 ± 3.1 (5)	268.8 ± 2.0 (5)	229.8 ± 4.0 (5) **
Heart				
Absolute (g)	0.11 ± 0.00 (10)	0.11 ± 0.00 (5)	0.12 ± 0.00 (5) **	0.09 ± 0.00 (5) **
Relative (mg/g)	0.38 ± 0.00 (10) *	0.40 ± 0.01 (5)	0.44 ± 0.01 (5) **	0.39 ± 0.01 (5)
R. Kidney				
Absolute (g)	0.11 ± 0.00 (10) **	0.11 ± 0.00 (5)	0.11 ± 0.00 (5)	0.10 ± 0.00 (5) **
Relative (mg/g)	0.41 ± 0.01 (10)	0.41 ± 0.01 (5)	0.40 ± 0.01 (5)	0.44 ± 0.01 (5) **
Liver				
Absolute (g)	1.36 ± 0.04 (10) **	1.29 ± 0.04 (5)	1.21 ± 0.03 (5) **	1.01 ± 0.03 (5) **
Relative (mg/g)	4.88 ± 0.10 (10) **	4.61 ± 0.15 (5)	4.49 ± 0.10 (5) *	4.39 ± 0.09 (5) **
Lung				
Absolute (g)	0.17 ± 0.01 (10)	0.19 ± 0.01 (5)	0.17 ± 0.00 (5)	0.15 ± 0.01 (5)
Relative (mg/g)	0.60 ± 0.02 (10)	0.66 ± 0.03 (5)	0.63 ± 0.01 (5)	0.63 ± 0.02 (5)
R. Testis				
Absolute (g)	0.158 ± 0.004 (10)	0.165 ± 0.006 (5)	0.172 ± 0.003 (5)	0.153 ± 0.002 (5)
Relative (mg/g)	0.57 ± 0.02 (10) **	0.59 ± 0.02 (5)	0.64 ± 0.01 (5) *	0.66 ± 0.02 (5) **
Thymus				
Absolute (g)	0.061 ± 0.003 (10)	0.061 ± 0.003 (5)	0.059 ± 0.002 (5)	0.059 ± 0.004 (5)
Relative (mg/g)	0.22 ± 0.01 (10)	0.22 ± 0.01 (5)	0.22 ± 0.01 (5)	0.26 ± 0.01 (5)

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Females

Treatment Groups (mg/ml)

	0	1	3	6
Terminal Body Wt. (g)	183.1 ± 1.9 (10) **	184.5 ± 4.3 (5)	179.2 ± 5.4 (5)	166.8 ± 3.7 (5) **
Heart				
Absolute (g)	0.08 ± 0.00 (10)	0.08 ± 0.00 (5)	0.08 ± 0.00 (5)	0.07 ± 0.00 (5)
Relative (mg/g)	0.42 ± 0.01 (10)	0.44 ± 0.01 (5)	0.45 ± 0.01 (5)	0.43 ± 0.01 (5)
R. Kidney				
Absolute (g)	0.07 ± 0.00 (10)	0.07 ± 0.01 (5)	0.07 ± 0.00 (5)	0.07 ± 0.00 (5)
Relative (mg/g)	0.40 ± 0.01 (10)	0.39 ± 0.02 (5)	0.40 ± 0.01 (5)	0.43 ± 0.01 (5)
Liver				
Absolute (g)	0.77 ± 0.02 (10) *	0.79 ± 0.03 (5)	0.72 ± 0.04 (5)	0.70 ± 0.01 (5)
Relative (mg/g)	4.19 ± 0.07 (10)	4.29 ± 0.07 (5)	4.00 ± 0.12 (5)	4.18 ± 0.08 (5)
Lung				
Absolute (g)	0.13 ± 0.00 (10)	0.13 ± 0.00 (5)	0.13 ± 0.00 (5)	0.12 ± 0.00 (5)
Relative (mg/g)	0.73 ± 0.02 (10)	0.71 ± 0.03 (5)	0.72 ± 0.02 (5)	0.75 ± 0.03 (5)
Thymus				
Absolute (g)	0.040 ± 0.001 (10)	0.036 ± 0.001 (5)	0.037 ± 0.003 (5)	0.039 ± 0.003 (5)
Relative (mg/g)	0.22 ± 0.01 (10)	0.20 ± 0.01 (5)	0.21 ± 0.01 (5)	0.23 ± 0.02 (5)

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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 \*\***