

**Study Number:** C50050-02  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA06: Organ Weights Summary**  
**Test Compound:** 1-Butyl-3-Methylimidazolium Chloride  
**CAS Number:** 79917-90-1

**Date Report Requested:** 05/12/2020  
**Time Report Requested:** 08:48:29  
**Lab:** NTP

**Study Number:**

C50050-02

**Study Gender:**

Both

**PWG Approval Date**

See web page for date of PWG Approval

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Males												
Treatment Groups (mg/mL)												
	0			0.3			1			3		
Terminal Body Wt. (g)	38.8	± 1.4	(10) **	38.6	± 1.0	(10)	36.5	± 1.2	(10)	29.7	± 0.7	(10) **
Heart												
Absolute (g)	0.20	± 0.01	(10)	0.22	± 0.01	(10)	0.20	± 0.01	(10)	0.20	± 0.01	(10)
Relative (mg/g)	5.15	± 0.24	(10) *	5.63	± 0.25	(10)	5.60	± 0.23	(10)	6.59	± 0.37	(10) **
R. Kidney												
Absolute (g)	0.33	± 0.01	(10) **	0.32	± 0.01	(10)	0.32	± 0.01	(10)	0.29	± 0.01	(10) **
Relative (mg/g)	8.47	± 0.20	(10) **	8.19	± 0.10	(10)	8.68	± 0.19	(10)	9.70	± 0.20	(10) **
Liver												
Absolute (g)	1.74	± 0.06	(10) **	1.71	± 0.06	(10)	1.66	± 0.04	(10)	1.42	± 0.04	(10) **
Relative (mg/g)	44.81	± 0.66	(10) **	44.07	± 0.72	(10)	45.80	± 0.99	(10)	47.79	± 0.78	(10) *
Lung												
Absolute (g)	0.26	± 0.01	(10)	0.28	± 0.02	(10)	0.26	± 0.02	(10)	0.25	± 0.01	(10)
Relative (mg/g)	6.71	± 0.28	(10) *	7.34	± 0.55	(10)	7.10	± 0.42	(10)	8.42	± 0.33	(10) *
R. Testis												
Absolute (g)	0.114	± 0.002	(10) *	0.112	± 0.003	(10)	0.110	± 0.002	(10)	0.106	± 0.002	(10)
Relative (mg/g)	2.95	± 0.07	(10) **	2.91	± 0.05	(10)	3.04	± 0.09	(10)	3.59	± 0.10	(10) **
Thymus												
Absolute (g)	0.043	± 0.004	(10) *	0.048	± 0.002	(10)	0.038	± 0.001	(10)	0.036	± 0.001	(10)
Relative (mg/g)	1.08	± 0.07	(10)	1.23	± 0.05	(10)	1.03	± 0.04	(10)	1.20	± 0.04	(10)

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Females												
Treatment Groups (mg/mL)												
	0			0.3			1			3		
Terminal Body Wt. (g)	26.8	± 0.6	(10) *	26.3	± 0.9	(10)	26.3	± 0.6	(10)	24.4	± 0.4	(10) *
Heart												
Absolute (g)	0.15	± 0.01	(10)	0.15	± 0.01	(10)	0.16	± 0.01	(10)	0.16	± 0.01	(10)
Relative (mg/g)	5.52	± 0.19	(10) **	5.68	± 0.19	(10)	5.99	± 0.26	(10)	6.48	± 0.23	(10) **
R. Kidney												
Absolute (g)	0.17	± 0.00	(10)	0.17	± 0.01	(10)	0.18	± 0.00	(10)	0.18	± 0.00	(10)
Relative (mg/g)	6.49	± 0.10	(10) **	6.64	± 0.09	(10)	6.73	± 0.05	(10)	7.34	± 0.13	(10) **
Liver												
Absolute (g)	1.22	± 0.03	(10)	1.20	± 0.06	(10)	1.23	± 0.05	(10)	1.15	± 0.03	(10)
Relative (mg/g)	45.55	± 0.88	(10)	45.47	± 0.90	(10)	46.63	± 0.96	(10)	47.24	± 0.99	(10)
Lung												
Absolute (g)	0.27	± 0.01	(10) *	0.29	± 0.01	(10)	0.29	± 0.01	(10)	0.22	± 0.01	(10) *
Relative (mg/g)	10.14	± 0.51	(10)	11.20	± 0.44	(10)	11.08	± 0.33	(10)	9.18	± 0.48	(10)
Thymus												
Absolute (g)	0.047	± 0.002	(10)	0.042	± 0.002	(10)	0.046	± 0.002	(10)	0.046	± 0.001	(10)
Relative (mg/g)	1.75	± 0.07	(10)	1.60	± 0.10	(10)	1.76	± 0.07	(10)	1.86	± 0.04	(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 \*\***