

**Study Number:** C05051-02  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**PA06: Organ Weights Summary**  
**Test Compound:** 1-Butyl-1-Methylpyrrolidinium Chloride  
**CAS Number:** 479500-35-1

**Date Report Requested:** 05/12/2020  
**Time Report Requested:** 09:05:04  
**Lab:** NTP

**Study Number:**

C05051-02

**Study Gender:**

Both

**PWG Approval Date**

See web page for date of PWG Approval

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Males												
Treatment Groups (mg/mL)												
	0			1			3			10		
Terminal Body Wt. (g)	36.6	± 0.8	(10) **	37.2	± 1.4	(10)	36.8	± 1.1	(10)	30.6	± 0.7	(10) **
Heart												
Absolute (g)	0.18	± 0.01	(10)	0.17	± 0.00	(10)	0.20	± 0.01	(10)	0.17	± 0.01	(10)
Relative (mg/g)	5.03	± 0.15	(10) *	4.69	± 0.11	(10)	5.37	± 0.23	(10)	5.65	± 0.25	(10)
R. Kidney												
Absolute (g)	0.30	± 0.01	(10)	0.30	± 0.00	(10)	0.31	± 0.01	(10)	0.28	± 0.01	(10)
Relative (mg/g)	8.11	± 0.21	(10) **	8.22	± 0.24	(10)	8.50	± 0.18	(10)	9.12	± 0.17	(10) **
Liver												
Absolute (g)	1.59	± 0.04	(10)	1.71	± 0.07	(10)	1.69	± 0.06	(10)	1.46	± 0.03	(10)
Relative (mg/g)	43.51	± 0.51	(10) **	46.01	± 0.59	(10) **	45.90	± 0.70	(10) **	47.62	± 0.49	(10) **
Lung												
Absolute (g)	0.23	± 0.01	(10)	0.24	± 0.01	(10)	0.25	± 0.01	(10)	0.22	± 0.01	(10)
Relative (mg/g)	6.30	± 0.12	(10) **	6.61	± 0.39	(10)	6.76	± 0.28	(10)	7.14	± 0.18	(10) *
R. Testis												
Absolute (g)	0.105	± 0.003	(10)	0.110	± 0.002	(10)	0.110	± 0.002	(10)	0.104	± 0.001	(10)
Relative (mg/g)	2.88	± 0.12	(10) **	2.99	± 0.09	(10)	3.01	± 0.11	(10)	3.41	± 0.06	(10) **
Thymus												
Absolute (g)	0.041	± 0.002	(10)	0.046	± 0.003	(10)	0.037	± 0.002	(10)	0.042	± 0.002	(10)
Relative (mg/g)	1.12	± 0.05	(10)	1.22	± 0.05	(10)	1.02	± 0.04	(10)	1.36	± 0.05	(10) **

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Females				
	Treatment Groups (mg/mL)			
	0	1	3	6
Terminal Body Wt. (g)	27.9 ± 0.9 (10)	27.0 ± 0.9 (10)	26.5 ± 0.7 (10)	26.1 ± 0.9 (10)
Heart				
Absolute (g)	0.16 ± 0.01 (10)	0.16 ± 0.01 (10)	0.15 ± 0.01 (10)	0.16 ± 0.01 (10)
Relative (mg/g)	5.61 ± 0.28 (10)	5.79 ± 0.26 (10)	5.66 ± 0.23 (10)	5.99 ± 0.35 (10)
R. Kidney				
Absolute (g)	0.18 ± 0.00 (10)	0.17 ± 0.01 (10)	0.17 ± 0.01 (10)	0.18 ± 0.01 (10)
Relative (mg/g)	6.31 ± 0.13 (10) *	6.41 ± 0.15 (10)	6.55 ± 0.09 (10)	6.80 ± 0.15 (10) *
Liver				
Absolute (g)	1.25 ± 0.02 (10)	1.19 ± 0.04 (10)	1.24 ± 0.03 (10)	1.21 ± 0.03 (10)
Relative (mg/g)	45.00 ± 0.82 (10)	43.97 ± 1.06 (10)	46.68 ± 0.58 (10)	46.32 ± 0.73 (10)
Lung				
Absolute (g)	0.31 ± 0.01 (10)	0.31 ± 0.01 (10)	0.32 ± 0.02 (10)	0.31 ± 0.01 (10)
Relative (mg/g)	11.28 ± 0.43 (10)	11.56 ± 0.28 (10)	11.84 ± 0.40 (10)	11.91 ± 0.43 (10)
Thymus				
Absolute (g)	0.046 ± 0.002 (10)	0.046 ± 0.001 (10)	0.047 ± 0.002 (10)	0.046 ± 0.002 (10)
Relative (mg/g)	1.68 ± 0.10 (10)	1.73 ± 0.07 (10)	1.78 ± 0.08 (10)	1.75 ± 0.06 (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 \*\***