

Study Number: C05049-04
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: 12:57:19
Lab: NTP

Study Number:

C05049-04

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

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		Males							
		Treatment Groups (mg/ml)							
		0		3		6		10	
Terminal Body Wt. (g)		26.3	± 0.5 (10)	26.1	± 0.5 (5)	26.6	± 0.8 (5)	25.2	± 0.5 (5)
Heart									
	Absolute (g)	0.13	± 0.00 (10)	0.13	± 0.00 (5)	0.13	± 0.00 (5)	0.13	± 0.01 (5)
	Relative (mg/g)	5.03	± 0.09 (10)	5.14	± 0.14 (5)	4.97	± 0.12 (5)	5.07	± 0.15 (5)
R. Kidney									
	Absolute (g)	0.23	± 0.00 (10)	0.23	± 0.01 (5)	0.24	± 0.01 (5)	0.23	± 0.01 (5)
	Relative (mg/g)	8.81	± 0.10 (10)	8.95	± 0.15 (5)	8.89	± 0.27 (5)	9.20	± 0.23 (5)
Liver									
	Absolute (g)	0.15	± 0.01 (10) **	0.14	± 0.01 (5)	0.14	± 0.00 (5)	0.13	± 0.00 (5) *
	Relative (mg/g)	5.85	± 0.12 (10) **	5.50	± 0.15 (5)	5.35	± 0.15 (5) *	5.32	± 0.09 (5) **
Lung									
	Absolute (g)	0.20	± 0.01 (10)	0.20	± 0.01 (5)	0.19	± 0.01 (5)	0.19	± 0.01 (5)
	Relative (mg/g)	7.59	± 0.21 (10)	7.49	± 0.12 (5)	7.13	± 0.20 (5)	7.61	± 0.24 (5)
R. Testis									
	Absolute (g)	0.093	± 0.003 (10)	0.104	± 0.002 (5) *	0.104	± 0.003 (5) *	0.100	± 0.002 (5)
	Relative (mg/g)	3.56	± 0.11 (10) *	3.97	± 0.14 (5) *	3.92	± 0.11 (5)	3.96	± 0.05 (5)
Thymus									
	Absolute (g)	0.047	± 0.003 (10)	0.050	± 0.007 (5)	0.053	± 0.003 (5)	0.050	± 0.003 (5)
	Relative (mg/g)	1.76	± 0.08 (10)	1.92	± 0.25 (5)	2.00	± 0.14 (5)	1.97	± 0.11 (5)

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Females				
	Treatment Groups (mg/ml)			
	0	3	6	10
Terminal Body Wt. (g)	20.5 ± 0.3 (10) **	19.9 ± 0.4 (5)	18.5 ± 0.5 (5) **	17.6 ± 0.3 (5) **
Heart				
Absolute (g)	0.10 ± 0.00 (10) **	0.10 ± 0.00 (5)	0.10 ± 0.00 (5)	0.08 ± 0.00 (5) **
Relative (mg/g)	5.04 ± 0.12 (10)	5.12 ± 0.20 (5)	5.29 ± 0.12 (5)	4.54 ± 0.17 (5)
R. Kidney				
Absolute (g)	0.14 ± 0.00 (10)	0.14 ± 0.01 (5)	0.14 ± 0.01 (5)	0.14 ± 0.00 (5)
Relative (mg/g)	6.94 ± 0.16 (10) **	7.22 ± 0.26 (5)	7.67 ± 0.29 (5) *	7.94 ± 0.06 (5) **
Liver				
Absolute (g)	0.10 ± 0.00 (10) **	0.10 ± 0.00 (5)	0.08 ± 0.01 (5) *	0.09 ± 0.01 (5) *
Relative (mg/g)	4.98 ± 0.15 (10)	4.81 ± 0.04 (5)	4.53 ± 0.16 (5)	4.87 ± 0.21 (5)
Lung				
Absolute (g)	0.17 ± 0.01 (10)	0.16 ± 0.01 (5)	0.18 ± 0.01 (5)	0.14 ± 0.00 (5) *
Relative (mg/g)	8.45 ± 0.34 (10)	8.02 ± 0.17 (5)	9.76 ± 0.61 (5)	8.07 ± 0.32 (5)
Thymus				
Absolute (g)	0.067 ± 0.003 (10) *	0.078 ± 0.004 (5)	0.061 ± 0.005 (5)	0.054 ± 0.004 (5)
Relative (mg/g)	3.29 ± 0.17 (10)	3.90 ± 0.24 (5)	3.27 ± 0.20 (5)	3.05 ± 0.18 (5)

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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 ****