

Study Number: C05052-01

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: N-Butylpyridinium Chloride

C05052-01

Both

See web page for date of PWG Approval

Date Report Requested: 05/12/2020

Time Report Requested: 09:40:22

Lab: NTP

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		Males							
		Treatment Groups (mg/mL)							
		0		0.3		1		3	
Terminal Body Wt. (g)		426.8	± 7.1 (10) **	420.7	± 7.0 (10)	403.4	± 6.0 (10) *	379.1	± 9.2 (9) **
Heart									
	Absolute (g)	1.51	± 0.04 (10)	1.54	± 0.02 (10)	1.48	± 0.03 (10)	1.46	± 0.05 (9)
	Relative (mg/g)	3.53	± 0.07 (10) **	3.66	± 0.07 (10)	3.65	± 0.04 (10)	3.84	± 0.07 (9) **
R. Kidney									
	Absolute (g)	1.39	± 0.04 (10)	1.44	± 0.04 (10)	1.44	± 0.03 (10)	1.35	± 0.03 (9)
	Relative (mg/g)	3.25	± 0.08 (10) **	3.43	± 0.05 (10) *	3.56	± 0.06 (10) **	3.58	± 0.06 (9) **
Liver									
	Absolute (g)	16.41	± 0.54 (10)	16.82	± 0.30 (10)	16.77	± 0.45 (10)	15.56	± 0.48 (9)
	Relative (mg/g)	38.44	± 1.13 (10) **	40.00	± 0.61 (10)	41.54	± 0.78 (10) *	41.01	± 0.60 (9) *
Lung									
	Absolute (g)	2.76	± 0.16 (10)	2.93	± 0.13 (10)	2.66	± 0.15 (10)	2.60	± 0.10 (9)
	Relative (mg/g)	6.48	± 0.40 (10)	6.99	± 0.34 (10)	6.58	± 0.33 (10)	6.88	± 0.30 (9)
R. Testis									
	Absolute (g)	2.007	± 0.031 (10) *	1.897	± 0.125 (10)	1.956	± 0.027 (10)	1.857	± 0.055 (9)
	Relative (mg/g)	4.72	± 0.12 (10)	4.54	± 0.32 (10)	4.86	± 0.07 (10)	4.91	± 0.16 (9)
Thymus									
	Absolute (g)	0.350	± 0.021 (10)	0.365	± 0.023 (10)	0.319	± 0.024 (10)	0.350	± 0.020 (9)
	Relative (mg/g)	0.82	± 0.04 (10)	0.87	± 0.05 (10)	0.79	± 0.05 (10)	0.92	± 0.05 (9)

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Females

Treatment Groups (mg/mL)

	0	0.3	1	3
Terminal Body Wt. (g)	247.6 ± 5.3 (10) **	240.3 ± 4.3 (10)	242.0 ± 5.7 (10)	221.8 ± 5.4 (10) **
Heart				
Absolute (g)	0.98 ± 0.03 (10)	0.97 ± 0.01 (10)	0.98 ± 0.03 (10)	0.96 ± 0.02 (10)
Relative (mg/g)	3.97 ± 0.08 (10) **	4.04 ± 0.06 (10)	4.03 ± 0.08 (10)	4.33 ± 0.07 (10) **
R. Kidney				
Absolute (g)	0.84 ± 0.02 (10)	0.82 ± 0.02 (10)	0.85 ± 0.03 (10)	0.83 ± 0.02 (10)
Relative (mg/g)	3.38 ± 0.07 (10) **	3.40 ± 0.07 (10)	3.51 ± 0.09 (10)	3.76 ± 0.08 (10) **
Liver				
Absolute (g)	8.82 ± 0.37 (10)	8.68 ± 0.31 (10)	8.47 ± 0.28 (10)	7.68 ± 0.35 (10) *
Relative (mg/g)	35.61 ± 1.17 (10)	36.09 ± 1.03 (10)	35.02 ± 0.96 (10)	34.50 ± 1.00 (10)
Lung				
Absolute (g)	2.12 ± 0.14 (10)	2.00 ± 0.08 (10)	2.09 ± 0.14 (10)	2.29 ± 0.21 (10)
Relative (mg/g)	8.56 ± 0.53 (10)	8.35 ± 0.36 (10)	8.64 ± 0.52 (10)	10.37 ± 0.99 (10)
Thymus				
Absolute (g)	0.262 ± 0.015 (10)	0.268 ± 0.015 (10)	0.271 ± 0.014 (10)	0.230 ± 0.015 (10)
Relative (mg/g)	1.06 ± 0.06 (10)	1.12 ± 0.06 (10)	1.12 ± 0.05 (10)	1.04 ± 0.06 (10)

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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 ****