

Study Number: C05049-04
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA06: Organ Weights Summary
Test Compound: 1-Ethyl-3-Methylimidazolium Chloride
CAS Number: 65039-09-0

Date Report Requested: 05/12/2020
Time Report Requested: 12:57:05
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			10			30			100		
Terminal Body Wt. (g)	26.3	± 0.5	(10) **	26.5	± 0.7	(5)	25.6	± 0.5	(5)	24.5	± 0.6	(5) *	14.3	± 0.2	(5) **
Heart															
Absolute (g)	0.13	± 0.00	(10) *	0.13	± 0.01	(5)	0.14	± 0.00	(5)	0.13	± 0.00	(5)	0.08	± 0.01	(5) **
Relative (mg/g)	5.03	± 0.09	(10) **	4.98	± 0.13	(5)	5.56	± 0.19	(5)	5.22	± 0.09	(5)	5.88	± 0.29	(5) **
R. Kidney															
Absolute (g)	0.23	± 0.00	(10) **	0.24	± 0.01	(5)	0.23	± 0.01	(5)	0.23	± 0.01	(5)	0.15	± 0.00	(5) **
Relative (mg/g)	8.81	± 0.10	(10) **	9.09	± 0.34	(5)	8.83	± 0.25	(5)	9.22	± 0.34	(5)	10.80	± 0.08	(5) **
Liver															
Absolute (g)	0.15	± 0.01	(10) **	0.15	± 0.00	(5)	0.14	± 0.01	(5)	0.14	± 0.01	(5) *	0.05	± 0.00	(5) **
Relative (mg/g)	5.85	± 0.12	(10) **	5.67	± 0.14	(5)	5.54	± 0.18	(5)	5.55	± 0.16	(5)	3.64	± 0.11	(5) **
Lung															
Absolute (g)	0.20	± 0.01	(10) *	0.20	± 0.01	(5)	0.19	± 0.01	(5)	0.20	± 0.01	(5)	0.14	± 0.00	(5) **
Relative (mg/g)	7.59	± 0.21	(10) **	7.74	± 0.40	(5)	7.43	± 0.47	(5)	8.07	± 0.44	(5)	9.70	± 0.39	(5) **
R. Testis															
Absolute (g)	0.093	± 0.003	(10)	0.104	± 0.001	(5) *	0.098	± 0.003	(5)	0.097	± 0.002	(5)	0.082	± 0.004	(5) *
Relative (mg/g)	3.56	± 0.11	(10) **	3.94	± 0.13	(5)	3.82	± 0.09	(5)	3.95	± 0.05	(5)	5.78	± 0.25	(5) **
Thymus															
Absolute (g)	0.047	± 0.003	(10) **	0.053	± 0.003	(5)	0.046	± 0.003	(5)	0.045	± 0.005	(5)	0.006	± 0.001	(5) **
Relative (mg/g)	1.76	± 0.08	(10) *	1.99	± 0.10	(5)	1.80	± 0.11	(5)	1.84	± 0.17	(5)	0.44	± 0.07	(5) **

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Females															
Treatment Groups (mg/ml)															
	0			3			10			30			100		
Terminal Body Wt. (g)	20.5	± 0.3	(10) **	20.0	± 0.2	(5)	20.5	± 0.9	(5)	18.5	± 0.5	(5) **	11.0	± 0.5	(5) **
Heart															
Absolute (g)	0.10	± 0.00	(10) *	0.11	± 0.00	(5)	0.11	± 0.00	(5)	0.10	± 0.01	(5)	0.07	± 0.00	(5) **
Relative (mg/g)	5.04	± 0.12	(10) **	5.39	± 0.16	(5)	5.51	± 0.39	(5)	5.66	± 0.45	(5)	5.99	± 0.25	(5) *
R. Kidney															
Absolute (g)	0.14	± 0.00	(10)	0.14	± 0.01	(5)	0.16	± 0.01	(5)	0.14	± 0.00	(5)	0.12	± 0.01	(5) **
Relative (mg/g)	6.94	± 0.16	(10) **	7.19	± 0.35	(5)	7.76	± 0.49	(5)	7.49	± 0.31	(5)	10.54	± 0.20	(5) **
Liver															
Absolute (g)	0.10	± 0.00	(10) **	0.10	± 0.00	(5)	0.10	± 0.01	(5)	0.09	± 0.00	(5) *	0.04	± 0.00	(5) **
Relative (mg/g)	4.98	± 0.15	(10) *	4.99	± 0.21	(5)	5.10	± 0.32	(5)	4.76	± 0.10	(5)	3.82	± 0.11	(5) **
Lung															
Absolute (g)	0.17	± 0.01	(10) *	0.16	± 0.01	(5)	0.18	± 0.00	(5)	0.14	± 0.02	(5)	0.13	± 0.01	(5) *
Relative (mg/g)	8.45	± 0.34	(10) *	7.81	± 0.70	(5)	8.71	± 0.34	(5)	7.67	± 1.05	(5)	11.84	± 0.93	(5) **
Thymus															
Absolute (g)	0.067	± 0.003	(10) **	0.066	± 0.004	(5)	0.058	± 0.005	(5)	0.057	± 0.002	(5)	0.011	± 0.001	(5) **
Relative (mg/g)	3.29	± 0.17	(10) **	3.28	± 0.18	(5)	2.84	± 0.32	(5)	3.11	± 0.02	(5)	1.01	± 0.08	(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 ****