

Study Number: C07018-02
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: 08:26:16
Lab: NTP

Study Number:

C07018-02

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

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		Males															
		Treatment Groups (mg/mL)															
		0		3		10		30									
Terminal Body Wt. (g)		38.9	± 0.8	(10)	**	39.1	± 1.0	(10)		36.2	± 0.9	(10)	*	27.8	± 0.6	(10)	**
Heart																	
	Absolute (g)	0.19	± 0.01	(10)		0.21	± 0.01	(10)		0.19	± 0.01	(10)		0.17	± 0.01	(10)	
	Relative (mg/g)	4.83	± 0.20	(10)	**	5.36	± 0.20	(10)		5.35	± 0.24	(10)		6.00	± 0.25	(10)	**
R. Kidney																	
	Absolute (g)	0.31	± 0.01	(10)	**	0.31	± 0.01	(10)		0.30	± 0.01	(10)		0.25	± 0.01	(10)	**
	Relative (mg/g)	8.03	± 0.13	(10)	**	8.04	± 0.14	(10)		8.42	± 0.17	(10)		9.05	± 0.22	(10)	**
Liver																	
	Absolute (g)	1.68	± 0.04	(10)	**	1.72	± 0.05	(10)		1.60	± 0.03	(10)		1.29	± 0.03	(10)	**
	Relative (mg/g)	43.28	± 0.63	(10)	**	43.83	± 0.45	(10)		44.23	± 0.48	(10)		46.61	± 0.40	(10)	**
Lung																	
	Absolute (g)	0.26	± 0.02	(10)		0.27	± 0.02	(10)		0.27	± 0.02	(10)		0.26	± 0.02	(10)	
	Relative (mg/g)	6.72	± 0.52	(10)	**	7.02	± 0.45	(10)		7.51	± 0.49	(10)		9.50	± 0.53	(10)	**
R. Testis																	
	Absolute (g)	0.109	± 0.003	(10)		0.108	± 0.003	(10)		0.113	± 0.001	(10)		0.107	± 0.002	(10)	
	Relative (mg/g)	2.82	± 0.10	(10)	**	2.77	± 0.08	(10)		3.13	± 0.06	(10)	**	3.87	± 0.05	(10)	**
Thymus																	
	Absolute (g)	0.044	± 0.003	(10)		0.040	± 0.004	(10)		0.046	± 0.003	(10)		0.036	± 0.001	(10)	
	Relative (mg/g)	1.14	± 0.08	(10)	*	1.00	± 0.07	(10)		1.26	± 0.08	(10)		1.30	± 0.05	(10)	

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Females												
Treatment Groups (mg/mL)												
	0			3			10			30		
Terminal Body Wt. (g)	29.2	± 1.4	(10) **	26.6	± 0.8	(10)	27.8	± 0.9	(10)	23.0	± 0.3	(10) **
Heart												
Absolute (g)	0.16	± 0.01	(10)	0.16	± 0.01	(10)	0.16	± 0.01	(10)	0.14	± 0.01	(10) *
Relative (mg/g)	5.52	± 0.37	(10)	6.00	± 0.31	(10)	5.93	± 0.26	(10)	5.86	± 0.21	(10)
R. Kidney												
Absolute (g)	0.18	± 0.00	(10)	0.17	± 0.00	(10)	0.18	± 0.01	(10)	0.17	± 0.00	(10)
Relative (mg/g)	6.16	± 0.26	(10) **	6.38	± 0.12	(10)	6.32	± 0.17	(10)	7.43	± 0.11	(10) **
Liver												
Absolute (g)	1.31	± 0.04	(10) **	1.17	± 0.04	(10)	1.25	± 0.05	(10)	1.05	± 0.04	(10) **
Relative (mg/g)	45.14	± 1.29	(10)	44.05	± 0.54	(10)	44.86	± 0.91	(10)	45.71	± 1.48	(10)
Lung												
Absolute (g)	0.32	± 0.01	(10)	0.30	± 0.01	(10)	0.31	± 0.01	(10)	0.29	± 0.01	(10)
Relative (mg/g)	10.95	± 0.49	(10)	11.25	± 0.45	(10)	11.14	± 0.46	(10)	12.38	± 0.41	(10)
Thymus												
Absolute (g)	0.044	± 0.003	(10)	0.043	± 0.002	(10)	0.047	± 0.003	(10)	0.038	± 0.002	(10)
Relative (mg/g)	1.52	± 0.07	(10)	1.61	± 0.06	(10)	1.69	± 0.09	(10)	1.66	± 0.07	(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 ****