

Study Number: I11054B

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: Sulfolane

CAS Number: 126-33-0

I11054B

Both

See web page for date of PWG Approval

Date Report Requested: 07/17/2020

Time Report Requested: 10:57:37

Lab: BRT with CRL

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Lab: BRT with CRL

F1 Males: Immunopath

	Treatment Groups (mg/L)														
	0			30			100			300			1000		
Terminal Body Wt. (g)	449.0	± 7.4	(12)	453.0	± 7.8	(12)	425.7	± 3.3	(11)	443.1	± 10.0	(12)	438.7	± 5.5	(12)
R. Adrenal gland															
Absolute (g)	0.0239	± 0.0013	(12) *	0.0219	± 0.0011	(12)	0.0218	± 0.0010	(12)	0.0206	± 0.0013	(12)	0.0207	± 0.0005	(12)
Relative (mg/g)	0.05	± 0.00	(12)	0.05	± 0.00	(12)	0.05	± 0.00	(11)	0.05	± 0.00	(12)	0.05	± 0.00	(12)
R. Kidney															
Absolute (g)	1.53	± 0.03	(12)	1.53	± 0.03	(12)	1.45	± 0.03	(12)	1.48	± 0.04	(12)	1.55	± 0.03	(12)
Relative (mg/g)	3.42	± 0.08	(12)	3.37	± 0.05	(12)	3.41	± 0.08	(11)	3.35	± 0.06	(12)	3.54	± 0.06	(12)
Liver															
Absolute (g)	16.35	± 0.51	(12)	16.64	± 0.39	(12)	15.63	± 0.30	(12)	15.87	± 0.55	(12)	16.65	± 0.42	(12)
Relative (mg/g)	36.36	± 0.73	(12)	36.71	± 0.42	(12)	36.42	± 0.57	(11)	35.73	± 0.56	(12)	37.90	± 0.65	(12)
Spleen															
Absolute (g)	0.748	± 0.020	(12) *	0.763	± 0.028	(12)	0.725	± 0.017	(12)	0.794	± 0.026	(12)	0.816	± 0.027	(12)
Relative (mg/g)	1.67	± 0.04	(12) **	1.68	± 0.05	(12)	1.70	± 0.04	(11)	1.79	± 0.04	(12)	1.86	± 0.06	(12) **
Thymus															
Absolute (g)	0.397	± 0.017	(12)	0.405	± 0.016	(12)	0.372	± 0.020	(12)	0.408	± 0.025	(12)	0.379	± 0.021	(12)
Relative (mg/g)	0.88	± 0.03	(12)	0.90	± 0.04	(12)	0.88	± 0.05	(11)	0.92	± 0.05	(12)	0.86	± 0.04	(12)

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Lab: BRT with CRL

F1 Males: Immunopath

Treatment Groups (mg/L)

15 mg/kg CPS

Terminal Body Wt. (g)	364.8	± 5.9	(8) **
R. Adrenal gland			
Absolute (g)	0.0205	± 0.0005	(8) *
Relative (mg/g)	0.06	± 0.00	(8)
R. Kidney			
Absolute (g)	1.19	± 0.05	(8) **
Relative (mg/g)	3.25	± 0.10	(8)
Liver			
Absolute (g)	12.45	± 0.40	(8) **
Relative (mg/g)	34.14	± 0.93	(8)
Spleen			
Absolute (g)	0.450	± 0.012	(8) **
Relative (mg/g)	1.24	± 0.05	(8) **
Thymus			
Absolute (g)	0.176	± 0.010	(8) **
Relative (mg/g)	0.49	± 0.03	(8) **

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Lab: BRT with CRL

F1 Females: Immunopath

	Treatment Groups (mg/L)														
	0			30			100			300			1000		
Terminal Body Wt. (g)	265.3	± 4.5	(12) *	264.8	± 6.2	(12)	274.8	± 5.4	(12)	263.3	± 7.3	(12)	246.8	± 2.5	(12)
R. Adrenal gland															
Absolute (g)	0.0323	± 0.0009	(12)	0.0288	± 0.0010	(12)	0.0329	± 0.0010	(12)	0.0321	± 0.0013	(12)	0.0299	± 0.0011	(12)
Relative (mg/g)	0.12	± 0.00	(12)	0.11	± 0.00	(12)	0.12	± 0.00	(12)	0.12	± 0.01	(12)	0.12	± 0.00	(12)
R. Kidney															
Absolute (g)	0.92	± 0.02	(12) *	0.90	± 0.02	(12)	0.94	± 0.03	(12)	0.87	± 0.02	(12)	0.84	± 0.02	(12) *
Relative (mg/g)	3.46	± 0.07	(12)	3.41	± 0.06	(12)	3.43	± 0.08	(12)	3.30	± 0.07	(12)	3.40	± 0.07	(12)
Liver															
Absolute (g)	9.34	± 0.30	(12)	9.32	± 0.35	(12)	9.52	± 0.22	(11)	9.03	± 0.37	(12)	9.15	± 0.26	(12)
Relative (mg/g)	35.26	± 1.13	(12)	35.19	± 0.95	(12)	34.34	± 0.46	(11)	34.18	± 0.70	(12)	37.05	± 0.85	(12)
Spleen															
Absolute (g)	0.560	± 0.018	(12)	0.582	± 0.020	(12)	0.581	± 0.021	(12)	0.579	± 0.030	(12)	0.581	± 0.018	(12)
Relative (mg/g)	2.11	± 0.06	(12)	2.20	± 0.05	(12)	2.11	± 0.05	(12)	2.20	± 0.09	(12)	2.36	± 0.08	(12)
Thymus															
Absolute (g)	0.266	± 0.006	(12)	0.283	± 0.011	(12)	0.290	± 0.014	(12)	0.314	± 0.019	(12) *	0.251	± 0.014	(12)
Relative (mg/g)	1.01	± 0.03	(12)	1.07	± 0.03	(12)	1.06	± 0.05	(12)	1.19	± 0.06	(12) *	1.02	± 0.07	(12)

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F1 Females: Immunopath

	Treatment Groups (mg/L)		
	15 mg/kg CPS		
Terminal Body Wt. (g)	216.9	± 4.0	(8) **
R. Adrenal gland			
Absolute (g)	0.0324	± 0.0019	(8)
Relative (mg/g)	0.15	± 0.01	(8) *
R. Kidney			
Absolute (g)	0.78	± 0.02	(8) **
Relative (mg/g)	3.59	± 0.06	(8)
Liver			
Absolute (g)	7.09	± 0.16	(8) **
Relative (mg/g)	32.69	± 0.53	(8)
Spleen			
Absolute (g)	0.365	± 0.014	(8) **
Relative (mg/g)	1.68	± 0.04	(8) **
Thymus			
Absolute (g)	0.148	± 0.017	(8) **
Relative (mg/g)	0.68	± 0.07	(8) **

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LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

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 analysis for the positive control group compared to the vehicle control group was performed using the t-Test.

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 $P \leq 0.01$

CPS = Cyclophosphamide

**** END OF REPORT ****