

Study Number: C11054-02
Test Type: TOX
Route: Oral Gavage
Species/Strain: Mouse/B6C3F1/N

PA06: Organ Weights Summary
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 11/14/2018
Time Report Requested: 08:01:41
Lab: Battelle

C Number:

C11054-02

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

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Males: Male Core

	Treatment Groups (mg/kg)														
	0			1			10			30			100		
Terminal Body Wt.	25.4	± 0.6	(10) *	25.9	± 0.5	(10)	26.4	± 0.4	(10)	26.4	± 0.7	(10)	26.4	± 0.3	(10)
R. Epididymis															
Absolute (g)	0.0351 ± 0.0012 (10)			0.0337 ± 0.0013 (10)			0.0348 ± 0.0015 (10)			0.0352 ± 0.0009 (10)			0.0350 ± 0.0017 (10)		
Relative (mg/g)	1.38 ± 0.05 (10)			1.30 ± 0.05 (10)			1.32 ± 0.07 (10)			1.34 ± 0.04 (10)			1.32 ± 0.06 (10)		
L. Epididymis															
Absolute (g)	0.0342 ± 0.0025 (10)			0.0318 ± 0.0012 (10)			0.0348 ± 0.0013 (10)			0.0344 ± 0.0011 (10)			0.0336 ± 0.0015 (10)		
Relative (mg/g)	1.35 ± 0.10 (10)			1.23 ± 0.04 (10)			1.32 ± 0.04 (10)			1.31 ± 0.06 (10)			1.27 ± 0.05 (10)		
Heart															
Absolute (g)	0.16 ± 0.00 (10)			0.15 ± 0.01 (10)			0.16 ± 0.00 (10)			0.15 ± 0.00 (10)			0.16 ± 0.00 (10)		
Relative (mg/g)	6.16 ± 0.14 (10)			5.87 ± 0.19 (10)			5.99 ± 0.14 (10)			5.80 ± 0.11 (10)			5.96 ± 0.11 (10)		
R. Kidney															
Absolute (g)	0.23 ± 0.00 (10)			0.22 ± 0.00 (10)			0.23 ± 0.00 (10)			0.23 ± 0.00 (10)			0.23 ± 0.00 (10)		
Relative (mg/g)	8.90 ± 0.18 (10)			8.62 ± 0.13 (10)			8.78 ± 0.11 (10)			8.88 ± 0.17 (10)			8.58 ± 0.08 (10)		
L. Kidney															
Absolute (g)	0.21 ± 0.00 (10)			0.21 ± 0.00 (10)			0.22 ± 0.00 (10)			0.22 ± 0.00 (10)			0.22 ± 0.01 (10)		
Relative (mg/g)	8.32 ± 0.18 (10)			8.00 ± 0.08 (10)			8.32 ± 0.11 (10)			8.30 ± 0.15 (10)			8.36 ± 0.13 (10)		
Liver															
Absolute (g)	1.29 ± 0.05 (10) **			1.33 ± 0.06 (10)			1.38 ± 0.02 (10)			1.37 ± 0.06 (10)			1.41 ± 0.02 (10)		
Relative (mg/g)	50.80 ± 0.87 (10) *			51.27 ± 1.48 (10)			52.41 ± 0.65 (10)			51.98 ± 1.32 (10)			53.56 ± 0.77 (10)		
Lung															
Absolute (g)	0.28 ± 0.01 (10)			0.26 ± 0.01 (10)			0.30 ± 0.01 (10)			0.27 ± 0.01 (10)			0.27 ± 0.01 (10)		
Relative (mg/g)	10.89 ± 0.33 (10)			10.11 ± 0.50 (10)			11.30 ± 0.45 (10)			10.12 ± 0.36 (10)			10.19 ± 0.36 (10)		
Spleen															
Absolute (g)	0.056 ± 0.003 (10)			0.058 ± 0.002 (10)			0.060 ± 0.001 (10)			0.059 ± 0.002 (10)			0.060 ± 0.001 (10)		
Relative (mg/g)	2.22 ± 0.08 (10)			2.23 ± 0.06 (10)			2.27 ± 0.04 (10)			2.23 ± 0.07 (10)			2.26 ± 0.04 (10)		
R. Testis															
Absolute (g)	0.097 ± 0.002 (10)			0.094 ± 0.002 (10)			0.095 ± 0.003 (10)			0.096 ± 0.003 (10)			0.093 ± 0.003 (10)		
Relative (mg/g)	3.84 ± 0.08 (10) **			3.65 ± 0.12 (10)			3.62 ± 0.12 (10)			3.64 ± 0.13 (10)			3.54 ± 0.08 (10)		

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Males: Male Core

Treatment Groups (mg/kg)

	0	1	10	30	100
L. Testis					
Absolute (g)	0.092 ± 0.002 (10)	0.091 ± 0.002 (10)	0.092 ± 0.003 (10)	0.093 ± 0.003 (10)	0.091 ± 0.003 (10)
Relative (mg/g)	3.65 ± 0.08 (10) *	3.54 ± 0.11 (10)	3.50 ± 0.12 (10)	3.55 ± 0.12 (10)	3.46 ± 0.08 (10)
Thymus					
Absolute (g)	0.048 ± 0.001 (10)	0.051 ± 0.002 (10)	0.048 ± 0.002 (10)	0.048 ± 0.002 (10)	0.048 ± 0.002 (10)
Relative (mg/g)	1.90 ± 0.06 (10)	1.96 ± 0.08 (10)	1.82 ± 0.09 (10)	1.81 ± 0.06 (10)	1.83 ± 0.07 (10)

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Males: Male Core

	Treatment Groups		
	300		
Terminal Body Wt.	27.3	± 0.4	(10) *
R. Epididymis			
Absolute (g)	0.0353	± 0.0011	(10)
Relative (mg/g)	1.30	± 0.05	(10)
L. Epididymis			
Absolute (g)	0.0363	± 0.0010	(10)
Relative (mg/g)	1.33	± 0.04	(10)
Heart			
Absolute (g)	0.16	± 0.00	(10)
Relative (mg/g)	5.90	± 0.16	(10)
R. Kidney			
Absolute (g)	0.24	± 0.00	(10)
Relative (mg/g)	8.63	± 0.07	(10)
L. Kidney			
Absolute (g)	0.21	± 0.00	(10)
Relative (mg/g)	7.84	± 0.09	(10) *
Liver			
Absolute (g)	1.45	± 0.03	(10) *
Relative (mg/g)	53.03	± 0.93	(10)
Lung			
Absolute (g)	0.29	± 0.01	(10)
Relative (mg/g)	10.55	± 0.35	(10)
Spleen			
Absolute (g)	0.060	± 0.001	(10)
Relative (mg/g)	2.20	± 0.02	(10)
R. Testis			
Absolute (g)	0.094	± 0.002	(10)
Relative (mg/g)	3.44	± 0.07	(10) *

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Males: Male Core

Treatment Groups

300

L. Testis

Absolute (g) 0.091 ± 0.002 (10)

Relative (mg/g) 3.34 ± 0.06 (10)

Thymus

Absolute (g) 0.048 ± 0.002 (10)

Relative (mg/g) 1.76 ± 0.07 (10)

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Females: Female Core

	Treatment Groups (mg/kg)														
	0			1			10			30			100		
Terminal Body Wt.	22.1	± 0.2	(10)	21.0	± 0.5	(10)	21.5	± 0.4	(10)	21.8	± 0.4	(10)	21.7	± 0.2	(10)
Heart															
Absolute (g)	0.13	± 0.00	(10)	0.13	± 0.00	(10)	0.13	± 0.00	(10)	0.13	± 0.00	(10)	0.13	± 0.00	(10)
Relative (mg/g)	6.09	± 0.16	(10)	6.26	± 0.10	(10)	6.27	± 0.17	(10)	5.98	± 0.18	(10)	5.98	± 0.15	(10)
R. Kidney															
Absolute (g)	0.15	± 0.00	(10) *	0.15	± 0.00	(10)	0.15	± 0.00	(10)	0.15	± 0.00	(10)	0.15	± 0.00	(10)
Relative (mg/g)	6.91	± 0.08	(10) *	6.98	± 0.12	(10)	7.05	± 0.11	(10)	7.02	± 0.07	(10)	7.10	± 0.13	(10)
L. Kidney															
Absolute (g)	0.14	± 0.00	(10)	0.14	± 0.00	(10)	0.14	± 0.00	(10)	0.14	± 0.00	(10)	0.15	± 0.00	(10)
Relative (mg/g)	6.40	± 0.11	(10)	6.72	± 0.11	(10)	6.64	± 0.11	(10)	6.40	± 0.07	(10)	6.73	± 0.10	(10)
Liver															
Absolute (g)	1.10	± 0.03	(10) *	1.09	± 0.03	(10)	1.12	± 0.04	(10)	1.09	± 0.02	(10)	1.13	± 0.02	(10)
Relative (mg/g)	49.78	± 1.02	(10) *	51.85	± 0.59	(10)	51.87	± 1.05	(10)	49.95	± 0.65	(10)	52.23	± 0.65	(10)
Lung															
Absolute (g)	0.25	± 0.01	(10)	0.27	± 0.01	(10)	0.27	± 0.01	(10)	0.25	± 0.02	(10)	0.25	± 0.01	(10)
Relative (mg/g)	11.22	± 0.60	(10)	12.71	± 0.47	(10)	12.35	± 0.39	(10)	11.36	± 0.62	(10)	11.63	± 0.39	(10)
R. Ovary															
Absolute (g)	0.0106 ± 0.0005 (10)			0.0088 ± 0.0005 (10)			0.0082 ± 0.0007 (10) **			0.0097 ± 0.0004 (10)			0.0098 ± 0.0003 (10)		
Relative (mg/g)	0.48	± 0.02	(10)	0.42	± 0.02	(10)	0.38	± 0.03	(10) *	0.45	± 0.02	(10)	0.45	± 0.01	(10)
L. Ovary															
Absolute (g)	0.0099 ± 0.0008 (10)			0.0085 ± 0.0006 (10)			0.0079 ± 0.0007 (10)			0.0099 ± 0.0005 (10)			0.0101 ± 0.0006 (10)		
Relative (mg/g)	0.45	± 0.04	(10)	0.41	± 0.03	(10)	0.37	± 0.03	(10)	0.45	± 0.02	(10)	0.47	± 0.03	(10)
Spleen															
Absolute (g)	0.077	± 0.003	(10)	0.073	± 0.002	(10)	0.079	± 0.004	(10)	0.076	± 0.002	(10)	0.078	± 0.002	(10)
Relative (mg/g)	3.47	± 0.12	(10)	3.47	± 0.08	(10)	3.66	± 0.15	(10)	3.49	± 0.10	(10)	3.60	± 0.11	(10)
Thymus															
Absolute (g)	0.061	± 0.002	(10) *	0.061	± 0.002	(10)	0.062	± 0.002	(10)	0.063	± 0.002	(10)	0.062	± 0.002	(10)
Relative (mg/g)	2.74	± 0.07	(10) *	2.89	± 0.11	(10)	2.86	± 0.08	(10)	2.89	± 0.10	(10)	2.86	± 0.09	(10)

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	300		
Terminal Body Wt.	21.8	± 0.3	(10)
Heart			
Absolute (g)	0.13	± 0.00	(10)
Relative (mg/g)	6.08	± 0.21	(10)
R. Kidney			
Absolute (g)	0.16	± 0.00	(10)
Relative (mg/g)	7.25	± 0.10	(10)
L. Kidney			
Absolute (g)	0.14	± 0.00	(10)
Relative (mg/g)	6.56	± 0.10	(10)
Liver			
Absolute (g)	1.16	± 0.02	(10)
Relative (mg/g)	53.09	± 0.62	(10) *
Lung			
Absolute (g)	0.27	± 0.02	(10)
Relative (mg/g)	12.32	± 0.79	(10)
R. Ovary			
Absolute (g)	0.0097	± 0.0006	(10)
Relative (mg/g)	0.45	± 0.03	(10)
L. Ovary			
Absolute (g)	0.0096	± 0.0005	(10)
Relative (mg/g)	0.44	± 0.02	(10)
Spleen			
Absolute (g)	0.075	± 0.002	(10)
Relative (mg/g)	3.43	± 0.10	(10)
Thymus			
Absolute (g)	0.066	± 0.002	(10)
Relative (mg/g)	3.06	± 0.09	(10)

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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 for F0 animals 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 ****