

Experiment Number: **G11054B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Rat/Harlan Sprague Dawley**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Sulfolane**

CAS Number: **126-33-0**

Date Report Requested: **09/23/2018**

Time Report Requested: **15:28:21**

NTP Study Number:

G11054B

Study Duration:

28 Days

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

Female Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 28; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	0.690 ± 0.097		5	0.078 ± 0.017		0.816 ± 0.086	
1.0	5	0.770 ± 0.082	0.3349	5	0.185 ± 0.033	0.2002	0.855 ± 0.046	0.5874
10.0	5	0.854 ± 0.154	0.3978	5	0.109 ± 0.039	0.2398	0.892 ± 0.030	0.4024
30.0	5	0.650 ± 0.085	0.4274	5	0.087 ± 0.018	0.2569	0.953 ± 0.086	0.2152
100.0	5	0.860 ± 0.112	0.1927	5	0.093 ± 0.013	0.2674	0.934 ± 0.026	0.2222
300.0	5	0.900 ± 0.096	0.1976	5	0.077 ± 0.013	0.2746	1.079 ± 0.113	0.0201 *
800.0	5	0.820 ± 0.137	0.1998	5	0.131 ± 0.039	0.1178	1.366 ± 0.102	< 0.001 *
Trend p-Value		0.2343			0.3832		< 0.001 *	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 28; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	0.619 ± 0.112		5	0.132 ± 0.026		1.060 ± 0.160	
1.0	5	0.850 ± 0.139	0.2887	5	0.109 ± 0.009	0.7673	0.960 ± 0.080	0.9424
10.0	5	0.740 ± 0.058	0.3443	5	0.120 ± 0.019	0.8445	0.821 ± 0.071	0.9919
30.0	5	0.650 ± 0.047	0.3689	5	0.149 ± 0.035	0.8742	0.935 ± 0.049	0.9984
100.0	5	0.570 ± 0.086	0.3829	5	0.101 ± 0.014	0.8868	1.041 ± 0.139	0.9994
300.0	5	0.850 ± 0.139	0.0871	5	0.085 ± 0.017	0.8937	1.071 ± 0.179	0.9998
800.0	5	0.900 ± 0.118	0.0447	5	0.077 ± 0.013	0.9013	1.334 ± 0.158	0.2402
Trend p-Value		0.0374			0.9861		0.0225 *	

Trial Summary: Negative

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LEGEND

MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean \pm Standard Error Mean

Pairwise comparison with the control group; values are significant at $P \leq 0.025$ by Williams or Dunn's test

Dose-related trend; significant at $P \leq 0.025$ by linear regression or Jonckheere's test

* Statistically significant pairwise or trend test

1: Vehicle Control: Water

**** END OF REPORT ****