

Experiment Number: 505251

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 09/19/2018

Time Report Requested: 17:26:59

NTP Study Number:

505251

Study Duration:

72 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	1.10 ± 0.10		56.40 ± 1.65	
3.75	5	1.40 ± 0.51	0.2741	53.60 ± 5.83	
7.5	5	0.30 ± 0.12	0.9838	41.20 ± 4.17	
15.0	4	2.63 ± 0.75	0.0079 *	26.88 ± 3.60	
Trend p-Value		0.0080 *			
Positive Control ²	5	4.70 ± 0.82	< 0.001 *	48.60 ± 2.99	

Trial Summary: Negative

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.20 ± 0.41		50.80 ± 5.41
7.5	3	1.67 ± 0.17	0.2203	34.50 ± 9.83
15.0	5	2.10 ± 0.24	0.0584	43.40 ± 6.53
Trend p-Value		0.0590		
Positive Control ²	5	4.20 ± 0.37	< 0.001 *	48.50 ± 5.17

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

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at $p = 0.025/\text{number of treatment groups}$; positive control value is significant at $p = 0.05$

Cochran-Armitage trend test, significant at $p = 0.025$

* Statistically significant pairwise or trend test

1: Vehicle Control: Corn Oil

2: 12.5 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****