

Experiment Number: 459882

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Salicylazosulfapyridine

CAS Number: 599-79-1

Date Report Requested: 09/19/2018

Time Report Requested: 17:06:09

NTP Study Number:

459882

Study Duration:

48 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 2; Time interval between final treatment and cell sampling: 24 h

MN PCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	0.60 ± 0.24	
1000.0	5	1.80 ± 0.20	0.0071 *
2000.0	5	1.80 ± 0.60	0.0071 *
Trend p-Value		0.0120 *	
12.5 mg/kg Positive Control ²	5	1.80 ± 0.58	0.0071 *
100.0 mg/kg Positive Control ³	4	33.25 ± 4.91	< 0.001 *

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	1.10 ± 0.40		56.24 ± 2.19
250.0	5	1.20 ± 0.25	0.4174	51.66 ± 2.03
500.0	5	2.00 ± 0.76	0.0529	55.46 ± 1.37
1000.0	5	2.00 ± 0.57	0.0529	52.94 ± 3.74
Trend p-Value		0.0320		
Positive Control ³	5	34.50 ± 3.94	< 0.001 *	29.18 ± 1.11

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	1.40 ± 0.24		43.24 ± 1.42
250.0	5	2.10 ± 0.70	0.2245	46.78 ± 2.63
500.0	5	2.20 ± 1.03	0.1968	42.16 ± 3.75
1000.0	5	2.90 ± 0.80	0.0716	48.90 ± 2.14
Trend p-Value		0.0770		
Positive Control ³	5	29.50 ± 4.15	< 0.001 *	22.82 ± 2.41

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

3: 100.0 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****