

Experiment Number: 711865

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Rat/Fischer 344

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Sulfapyridine

CAS Number: 144-83-2

Date Report Requested: 09/19/2018

Time Report Requested: 19:25:47

**NTP Study Number:**

711865

**Study Duration:**

72 Hours

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Equivocal

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

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	0.80 ± 0.20		41.50 ± 3.34
337.5	5	0.90 ± 0.29	0.4041	41.60 ± 3.88
675.0	5	0.70 ± 0.34	0.6019	48.70 ± 3.05
1350.0	5	3.10 ± 0.73	< 0.001 *	39.40 ± 4.91
2700.0	5	1.30 ± 0.30	0.1375	42.20 ± 4.96
Trend p-Value		0.0220 *		
50.0 mg/kg Positive Control <sup>2</sup>	5	5.20 ± 1.74	< 0.001 *	34.00 ± 3.53
100.0 mg/kg Positive Control <sup>3</sup>	5	7.70 ± 1.66	< 0.001 *	32.00 ± 3.98

Trial Summary: Equivocal

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	2.20 ± 0.56		34.30 ± 4.14
1000.0	5	2.50 ± 0.69	0.3307	29.00 ± 2.77
2000.0	5	1.10 ± 0.29	0.9723	23.50 ± 3.70
3000.0	5	2.30 ± 0.37	0.4407	29.50 ± 2.18
Trend p-Value		0.7080		
Positive Control <sup>2</sup>	5	11.90 ± 1.36	< 0.001 *	14.90 ± 1.70

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LEGEND

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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: 50.0 mg/kg Dimethylbenzanthracene

3: 100.0 mg/kg Dimethylbenzanthracene

**\*\* END OF REPORT \*\***