

Experiment Number: A57599

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

**G04: In Vivo Micronucleus Summary Data**

Test Compound: 2-Amino-4-nitrophenol

CAS Number: 99-57-0

Date Report Requested: 09/20/2018

Time Report Requested: 20:40:49

**NTP Study Number:**

A57599

**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

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.00 ± 0.42		48.50 ± 1.78
3.91	5	1.10 ± 0.37	0.4136	34.20 ± 6.73
7.815	5	2.20 ± 0.66	0.0169	50.70 ± 2.11
15.63	5	1.10 ± 0.10	0.4136	30.00 ± 1.32
31.25	5	1.80 ± 0.41	0.0652	48.30 ± 1.87
62.5	5	0.90 ± 0.19	0.5908	28.00 ± 4.80
Trend p-Value		0.7380		
Positive Control <sup>2</sup>	5	20.80 ± 1.83	< 0.001 *	15.40 ± 2.28

Trial Summary: Negative

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.50 ± 0.50		29.30 ± 2.72
15.63	5	1.40 ± 0.19	0.5737	30.70 ± 4.28
31.25	5	1.70 ± 0.25	0.3617	39.30 ± 1.40
62.5	5	1.50 ± 0.16	0.5000	29.40 ± 2.32
125.0	5	1.50 ± 0.16	0.5000	36.80 ± 0.78
Trend p-Value		0.5000		
Positive Control <sup>3</sup>	4	19.63 ± 1.05	< 0.001 *	14.63 ± 0.55

Trial Summary: Negative

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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: 15.0 mg/kg Cyclophosphamide

3: 25.0 mg/kg Cyclophosphamide

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