

Experiment Number: A86240
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Orthanilic acid
CAS Number: 88-21-1

Date Report Requested: 09/21/2018

Time Report Requested: 08:08:55

NTP Study Number:	A86240
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 ¹	4	0.50 ± 0.35		5.05 ± 0.72
260.0	5	0.40 ± 0.10	0.6241	4.48 ± 0.49
320.0	5	1.40 ± 0.53	0.0288	4.50 ± 0.24
1040.0	5	0.80 ± 0.25	0.2192	3.76 ± 0.52
Trend p-Value		0.3090		
Positive Control ²	4	20.50 ± 2.19	< 0.001 *	1.90 ± 0.70

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: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****