

Experiment Number: 375977

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 8-Hydroxyquinoline

CAS Number: 148-24-3

Date Report Requested: 09/19/2018

Time Report Requested: 16:01:50

NTP Study Number:

375977

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	5	1.70 ± 0.20		51.30 ± 2.46
10.8	5	1.40 ± 0.43	0.7051	37.60 ± 2.39
21.5	5	1.60 ± 0.33	0.5692	37.00 ± 4.54
43.0	5	2.00 ± 0.57	0.3108	44.30 ± 3.45
Trend p-Value		0.2350		
Positive Control ²	5	2.00 ± 0.52	0.3108	33.60 ± 3.79

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	1.90 ± 0.19		35.40 ± 7.64
10.8	5	2.70 ± 0.34	0.1188	48.80 ± 4.73
21.5	5	2.20 ± 0.30	0.3195	39.80 ± 5.31
43.0	5	2.10 ± 0.58	0.3758	42.90 ± 1.96
Trend p-Value		0.5210		
Positive Control ²	5	11.20 ± 1.54	< 0.001 *	35.30 ± 2.91

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	2.90 ± 0.48	0.5746	46.50 ± 5.29
43.0	4	2.75 ± 0.63		45.25 ± 4.11
Trend p-Value		0.5750		
Positive Control ²	5	7.20 ± 1.08	< 0.001 *	40.40 ± 4.77

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 ****