

Experiment Number: A12841

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: 2-Cyclohexen-1-one

CAS Number: 930-68-7

Date Report Requested: 09/20/2018

Time Report Requested: 02:55:08

NTP Study Number:

A12841

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	0.90 ± 0.48		53.10 ± 2.26
9.375	5	0.80 ± 0.34	0.5959	52.80 ± 6.89
18.75	5	1.90 ± 0.46	0.0293	57.30 ± 3.42
37.5	5	1.30 ± 0.25	0.1968	66.90 ± 2.31
75.0	5	0.60 ± 0.29	0.7808	60.60 ± 6.25
Trend p-Value		0.8180		
Positive Control ²	5	15.20 ± 1.71	< 0.001 *	36.70 ± 6.81

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 ****