

Experiment Number: A07473
Test Type: Genetic Toxicology - Micronucleus
Route: Inhalation
Species/Strain: Mouse/B6C3F1

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: 00:41:04

NTP Study Number:	A07473
Study Duration:	13 Weeks
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control [†]	10	2.40 ± 0.55		10	0.10 ± 0.10		5.23 ± 0.70
2.5	10	1.74 ± 0.74	0.7848	10	0.35 ± 0.18	0.0478	5.12 ± 0.36
5.0	10	2.33 ± 0.65	0.5298	10	0.25 ± 0.11	0.1284	3.87 ± 0.19
10.0	9	2.27 ± 0.52	0.5557	10	0.00 ± 0.00	0.9214	3.40 ± 0.50
Trend p-Value		0.4730			0.9120		

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	MN PCE/1000			MN NCE/1000			% PCE
	N	Mean ± SEM	p-Value	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control [†]	10	2.20 ± 0.60		10	0.05 ± 0.05		4.48 ± 0.16
2.5	10	1.00 ± 0.42	0.9116	10	0.05 ± 0.05	0.5000	4.56 ± 0.77
5.0	10	0.95 ± 0.26	0.9219	10	0.10 ± 0.07	0.2818	4.37 ± 0.67
10.0	10	4.10 ± 1.53	0.0636	10	0.00 ± 0.00	0.8413	3.86 ± 0.19
Trend p-Value		0.0110 *			0.7510		

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: Air

**** END OF REPORT ****