

Experiment Number: A84857
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 2,4-Hexadienal
CAS Number: 142-83-6

Date Report Requested: 09/21/2018
Time Report Requested: 07:34:21

NTP Study Number:	A84857
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Equivocal

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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	1.80 ± 0.49		55.80 ± 3.72
40.0	5	1.40 ± 0.33	0.7604	57.10 ± 3.76
80.0	5	1.90 ± 0.37	0.4346	56.60 ± 4.40
120.0	3	1.67 ± 0.17	0.5774	54.33 ± 4.81
160.0	4	3.13 ± 1.16	0.0352	31.50 ± 1.77
Trend p-Value		0.0240 *		
Positive Control ²	4	11.25 ± 2.17	< 0.001 *	46.63 ± 1.94

Trial Summary: Equivocal

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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 ****