

Experiment Number: A41608

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Propargyl alcohol

CAS Number: 107-19-7

Date Report Requested: 09/20/2018

Time Report Requested: 13:13:53

NTP Study Number:

A41608

Study Duration:

13 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Equivocal

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

Dose (ppm)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control [†]	10	2.50 ± 0.58		10	3.40 ± 0.54		4.08 ± 0.14
4.0				10	5.70 ± 0.73	0.0078	
8.0				10	5.70 ± 0.72	0.0078	
16.0				10	5.40 ± 0.54	0.0163	
32.0				10	5.60 ± 0.60	0.0101	
64.0	10	3.60 ± 0.27	0.0792	10	4.70 ± 0.72	0.0739	4.19 ± 0.12
Trend p-Value		0.0790			0.4540		

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 (ppm)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control [†]	10	2.60 ± 0.58		10	4.00 ± 0.47		3.61 ± 0.26
4.0				10	3.00 ± 0.61	0.8844	
8.0				10	3.60 ± 0.45	0.6771	
16.0				10	3.40 ± 0.31	0.7577	
32.0				10	4.60 ± 0.43	0.2584	
64.0	10	3.60 ± 0.54	0.1017	10	5.50 ± 0.93	0.0615	3.72 ± 0.23
Trend p-Value		0.1020			0.0020 *		

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: Air

**** END OF REPORT ****