

Experiment Number: A41461

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Allyl isothiocyanate

CAS Number: 57-06-7

Date Report Requested: 09/20/2018

Time Report Requested: 13:08:54

NTP Study Number:

A41461

Study Duration:

48 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 48 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.70 ± 0.20		1.86 ± 0.33
25.0	5	2.30 ± 0.20	0.2341	2.86 ± 0.70
37.5	5	1.30 ± 0.20	0.7117	3.00 ± 0.70
50.0	4	1.25 ± 1.09	0.7231	2.58 ± 0.71
Trend p-Value		0.7650		
Positive Control ²	5	21.80 ± 3.14	< 0.001 *	1.28 ± 0.19

Trial Summary: Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 48 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.20 ± 0.51		66.30 ± 0.98
25.0	5	1.70 ± 0.41	0.1764	58.90 ± 3.10
37.5	5	2.00 ± 0.27	0.0785	52.60 ± 5.71
50.0	4	1.13 ± 0.66	0.5582	56.75 ± 4.20
Trend p-Value		0.3320		
Positive Control ²	5	15.60 ± 3.01	< 0.001 *	50.20 ± 4.34

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: Dimethyl Sulfoxide

2: 25.0 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****