

Experiment Number: 896173
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: 09/19/2018
Time Report Requested: 21:07:47

NTP Study Number: 896173
Study Duration: 72 Hours
Study Methodology: Slide Scoring
Male Study Result: Negative

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Tissue: Blood; 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	4.30 ± 0.97		2.70 ± 0.17
37.5	4	3.13 ± 0.83	0.8992	3.15 ± 0.36
75.0	5	2.60 ± 0.37	0.9798	2.50 ± 0.44
150.0	5	2.50 ± 0.52	0.9856	1.96 ± 0.19
Trend p-Value		0.9860		
Positive Control ²	4	9.63 ± 1.78	< 0.001 *	1.80 ± 0.13

Trial Summary: Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	2.20 ± 0.25		65.00 ± 4.48
Trend p-Value		< 0.001 *		
Positive Control ²	5	8.90 ± 0.48	< 0.001 *	57.20 ± 4.62

Trial Summary: 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	3.00 ± 0.69		69.90 ± 2.37
37.5	5	1.80 ± 0.20	0.9586	66.60 ± 2.91
75.0	5	3.20 ± 0.75	0.3996	69.80 ± 1.72
150.0	5	2.40 ± 0.33	0.7932	56.40 ± 2.08
Trend p-Value		0.6050		
Positive Control ²	5	8.60 ± 0.64	< 0.001 *	51.70 ± 4.61

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: 12.5 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****