

Experiment Number: 298978

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Cinnamyl anthranilate

CAS Number: 87-29-6

Date Report Requested: 09/19/2018

Time Report Requested: 15:24:53

NTP Study Number:

298978

Study Duration:

96 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: 48 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	3.00 ± 0.94		2.94 ± 0.47
200.0	4	2.63 ± 0.55	0.6371	2.63 ± 0.76
1000.0	5	2.50 ± 0.57	0.6927	2.04 ± 0.19
2000.0	5	2.30 ± 0.64	0.7636	2.76 ± 0.27
Trend p-Value		0.7490		

Trial Summary: 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	2.60 ± 0.24		5.50 ± 0.23
1000.0	5	2.40 ± 0.33	0.6115	3.76 ± 0.70
2000.0	5	1.80 ± 0.44	0.8864	3.54 ± 0.32
3000.0	5	1.70 ± 0.34	0.9153	3.26 ± 0.39
Trend p-Value		0.9450		
Positive Control ²	5	8.10 ± 1.18	< 0.001 *	3.22 ± 0.39

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	1.10 ± 0.40		49.90 ± 2.46
500.0	4	1.88 ± 0.52	0.0868	56.63 ± 3.25
1000.0	5	3.10 ± 0.51	0.0010 *	52.80 ± 4.21
2000.0	5	3.00 ± 0.69	0.0015 *	53.50 ± 6.18
Trend p-Value		0.0020 *		
Positive Control ²	4	7.88 ± 1.18	< 0.001 *	52.25 ± 1.39

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	2.80 ± 0.90		60.80 ± 2.16
1000.0	5	2.80 ± 0.90	0.5000	62.90 ± 2.88
2000.0	5	3.30 ± 0.87	0.3519	63.70 ± 4.91
3000.0	5	2.60 ± 0.91	0.5642	56.70 ± 3.85
Trend p-Value		0.5100		
Positive Control ²	5	9.40 ± 1.90	< 0.001 *	57.20 ± 1.75

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 ****