

Experiment Number: A19689

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: trans-Cinnamaldehyde

CAS Number: 14371-10-9

Date Report Requested: 09/20/2018

Time Report Requested: 05:06:31

NTP Study Number:

A19689

Study Duration:

13 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (%)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	1.20 ± 0.25	
1.25	5	0.70 ± 0.25	0.8744
2.5	5	0.80 ± 0.44	0.8146
5.0	5	1.30 ± 0.12	0.4207
10.0	1	0.50 ± 0.00	< 0.001 *
Trend p-Value		0.2960	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (%)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	0.70 ± 0.20	
1.25	5	0.70 ± 0.20	0.5000
2.5	5	1.00 ± 0.35	0.2333
5.0	5	0.10 ± 0.10	0.9831
10.0	5	0.70 ± 0.12	0.5000
Trend p-Value		0.7130	
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: Solvent

**** END OF REPORT ****