

Experiment Number: B19689

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: 09/21/2018

Time Report Requested: 14:53:07

**NTP Study Number:**

B19689

**Study Duration:**

13 Weeks

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Equivocal

**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

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| <b>MN NCE/1000</b>           |          |                   |                |
|------------------------------|----------|-------------------|----------------|
| <b>Dose (%)</b>              | <b>N</b> | <b>Mean ± SEM</b> | <b>p-Value</b> |
| Vehicle Control <sup>1</sup> | 5        | 0.50 ± 0.22       |                |
| 1.25                         | 5        | 0.70 ± 0.25       | 0.2818         |
| 2.5                          | 5        | 0.80 ± 0.44       | 0.2026         |
| 5.0                          | 5        | 1.30 ± 0.12       | 0.0296         |
| 10.0                         | 1        | 0.50 ± 0.00       | < 0.001 *      |
| Trend p-Value                |          | 0.0210 *          |                |

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Trial Summary: Equivocal

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

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| <b>MN NCE/1000</b>           |          |                   |                |
|------------------------------|----------|-------------------|----------------|
| <b>Dose (%)</b>              | <b>N</b> | <b>Mean ± SEM</b> | <b>p-Value</b> |
| Vehicle Control <sup>1</sup> | 5        | 1.00 ± 0.42       |                |
| 1.25                         | 5        | 0.70 ± 0.20       | 0.7667         |
| 2.5                          | 5        | 1.00 ± 0.35       | 0.5000         |
| 5.0                          | 5        | 0.10 ± 0.10       | 0.9967         |
| 10.0                         | 5        | 0.70 ± 0.12       | 0.7667         |
| Trend p-Value                |          | 0.8590            |                |
| Trial Summary: Negative      |          |                   |                |

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#### LEGEND

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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: Feed

**\*\* END OF REPORT \*\***