

Experiment Number: A86423

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 09/21/2018

Time Report Requested: 08:13:22

**NTP Study Number:**

A86423

**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

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Dose (other)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	0.60 ± 0.24		1.66 ± 0.17
0.025	5	0.40 ± 0.19	0.7365	1.58 ± 0.21
0.05	5	0.60 ± 0.37	0.5000	1.64 ± 0.23
0.1	5	0.60 ± 0.29	0.5000	1.76 ± 0.18
0.2	5	0.70 ± 0.20	0.3907	1.50 ± 0.12
0.4	5	0.30 ± 0.12	0.8414	1.86 ± 0.19
Trend p-Value		0.7540		

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

Dose (other)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	0.80 ± 0.34		2.06 ± 0.12
0.025	5	1.10 ± 0.37	0.2455	2.24 ± 0.10
0.05	5	0.70 ± 0.12	0.6019	2.20 ± 0.08
0.1	5	0.50 ± 0.16	0.7974	1.92 ± 0.13
0.2	5	0.70 ± 0.12	0.6019	2.16 ± 0.33
0.4	5	1.00 ± 0.35	0.3186	2.00 ± 0.20
Trend p-Value		0.3660		

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 \*\***