

Experiment Number: A43741
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Methyl styryl ketone
CAS Number: 122-57-6

Date Report Requested: 09/20/2018

Time Report Requested: 14:10:29

NTP Study Number:	A43741
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	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		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	1.20 ± 0.37		3	0.00 ± 0.00		49.87 ± 0.03
37.812	4	0.88 ± 0.13	0.7477	1	0.00 ± 0.00	< 0.001 *	39.20 ± 0.00
75.625	5	1.50 ± 0.35	0.2817	1	0.00 ± 0.00	< 0.001 *	48.10 ± 0.00
151.25	5	1.00 ± 0.22	0.6652	2	0.00 ± 0.00	0.5000	47.85 ± 1.25
302.5	5	1.30 ± 0.20	0.4207				56.22 ± 1.58
605.0	5	1.10 ± 0.43	0.5826	1	0.00 ± 0.00	< 0.001 *	48.70 ± 0.00
Trend p-Value		0.5360					
Positive Control ²	5	13.30 ± 1.62	< 0.001 *	5	0.00 ± 0.00	0.5000	44.68 ± 1.66

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: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****