

Experiment Number: A33602
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: Casanthranol (cascara sagrada extract)
CAS Number: 8024-48-4

Date Report Requested: 09/20/2018
Time Report Requested: 09:55:23

NTP Study Number: A33602
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	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.30 ± 0.37		49.70 ± 3.42
312.5	5	1.10 ± 0.19	0.6585	46.20 ± 3.51
625.0	5	0.70 ± 0.25	0.9103	34.00 ± 4.44
1250.0	5	0.80 ± 0.41	0.8625	37.40 ± 5.35
2500.0	5	1.40 ± 0.46	0.4236	32.70 ± 2.77
Trend p-Value		0.3140		
Positive Control ²	5	15.80 ± 0.98	< 0.001 *	38.80 ± 3.70

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 ****