

Experiment Number: A53705

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Kava kava extract

CAS Number: 9000-38-8

Date Report Requested: 09/20/2018

Time Report Requested: 18:47:41

NTP Study Number:

A53705

Study Duration:

90 Days

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 (g/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	2.30 ± 0.41	
0.125	5	1.90 ± 0.37	0.7317
0.25	5	2.40 ± 0.24	0.4419
0.5	5	2.90 ± 0.68	0.2024
1.0	5	1.70 ± 0.41	0.8289
2.0	5	3.40 ± 0.58	0.0723
Trend p-Value		0.0500	

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 (g/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	1.50 ± 0.35	
0.125	5	2.20 ± 0.25	0.1247
0.25	5	1.80 ± 0.64	0.3006
0.5	5	1.80 ± 0.25	0.3006
1.0	5	1.40 ± 0.29	0.5737
2.0	5	1.60 ± 0.33	0.4287
Trend p-Value		0.7300	

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

**** END OF REPORT ****