

Experiment Number: A43429

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Emodin

CAS Number: 518-82-1

Date Report Requested: 09/20/2018

Time Report Requested: 13:47:33

NTP Study Number:

A43429

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

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	0.90 ± 0.33		15.90 ± 1.09	
125.0	5	0.80 ± 0.12	0.5959	9.70 ± 3.22	
250.0	5	1.00 ± 0.27	0.4092	19.70 ± 2.64	
500.0	5	0.90 ± 0.10	0.5000	17.30 ± 6.38	
Trend p-Value		0.4550			
Positive Control ²	3	16.83 ± 0.67	< 0.001 *	3.17 ± 0.60	

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 ****