

Experiment Number: A40909

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Malachite green oxalate

CAS Number: 2437-29-8

Date Report Requested: 09/20/2018

Time Report Requested: 12:59:30

NTP Study Number:

A40909

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	1.50 ± 0.67		61.60 ± 4.51
0.625	5	2.40 ± 1.19	0.1911	61.90 ± 3.86
1.25	5	1.50 ± 0.45	0.5000	49.90 ± 3.29
2.5	5	2.70 ± 0.51	0.1307	58.80 ± 3.99
5.0	5	1.60 ± 0.62	0.4566	40.90 ± 1.44
Trend p-Value		0.5090		
Positive Control ²	5	16.60 ± 2.41	< 0.001 *	62.30 ± 4.06

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: Phosphate Buffered Saline

2: 7.5 mg/kg Cyclophosphamide

**** END OF REPORT ****