

Experiment Number: **045954**  
Test Type: **Genetic Toxicology - Micronucleus**  
Route: **Intraperitoneal Injection**  
Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Geranyl acetate**  
CAS Number: **105-87-3**

Date Report Requested: **09/19/2018**  
Time Report Requested: **12:02:54**

<b>NTP Study Number:</b>	045954
<b>Study Duration:</b>	72 Hours
<b>Study Methodology:</b>	Slide Scoring
<b>Male Study Result:</b>	Negative

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Tissue: Blood; 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 <sup>1</sup>	5	2.80 ± 0.46		3.52 ± 0.13
450.0	5	3.50 ± 0.52	0.1885	3.20 ± 0.38
900.0	5	4.00 ± 0.77	0.0725	3.82 ± 0.49
1800.0	5	2.60 ± 0.43	0.6074	3.00 ± 0.20
Trend p-Value		0.6560		
Positive Control <sup>2</sup>	5	8.80 ± 1.42	< 0.001 *	1.58 ± 0.12
Trial Summary: Negative				

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 <sup>1</sup>	5	3.50 ± 0.82		68.00 ± 3.62
Trend p-Value		< 0.001 *		
Positive Control <sup>2</sup>	5	9.10 ± 1.39	< 0.001 *	58.30 ± 3.54
Trial Summary: 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 <sup>1</sup>	5	2.20 ± 0.25		65.00 ± 4.48
450.0	5	2.50 ± 0.42	0.3307	62.10 ± 3.27
900.0	5	3.30 ± 1.06	0.0687	66.30 ± 1.06
1800.0	6	2.83 ± 0.56	0.1766	67.25 ± 3.21
Trend p-Value		0.1730		
Positive Control <sup>2</sup>	5	8.90 ± 0.48	< 0.001 *	57.20 ± 4.62
Trial Summary: Negative				

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#### LEGEND

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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: 12.5 mg/kg Dimethylbenzanthracene

**\*\* END OF REPORT \*\***