

Experiment Number: F69577

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: N,N-Dimethylacetoacetamide

CAS Number: 2044-64-6

Date Report Requested: 09/21/2018

Time Report Requested: 17:26:03

NTP Study Number:

F69577

Study Duration:

4 Days

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 4; Time interval between final treatment and cell sampling: 28 h

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	2.390 ± 0.197		5	1.472 ± 0.024		1.258 ± 0.015	
500.0	5	2.440 ± 0.255	0.5732	5	1.457 ± 0.016	0.8347	1.312 ± 0.088	0.6680
1000.0	5	2.240 ± 0.158	0.6607	5	1.440 ± 0.022	0.8993	1.301 ± 0.051	0.7884
1500.0	5	2.270 ± 0.228	0.6969	5	1.407 ± 0.014	0.9213	1.410 ± 0.094	0.2058
Trend p-Value		0.7283			0.9893		0.1662	
Positive Control ²	5	18.100 ± 0.374	< 0.001 *	5	1.798 ± 0.042	< 0.001 *	0.328 ± 0.043	0.0090 *

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

Pairwise comparison with the control group; values are significant at $P \leq 0.025$ by Williams or Dunn's test

Dose-related trend; significant at $P \leq 0.025$ by linear regression or Jonckheere's test

* Statistically significant pairwise or trend test

1: Vehicle Control: Saline

2: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****