

Experiment Number: F66589

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Imidazolidinyl urea

CAS Number: 39236-46-9

Date Report Requested: 09/21/2018

Time Report Requested: 17:12:03

NTP Study Number:

F66589

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	2.500 ± 0.144		5	1.458 ± 0.019		1.240 ± 0.099	
1000.0	5	2.550 ± 0.177	0.6491	5	1.403 ± 0.038	1.0000	1.350 ± 0.076	0.4469
1500.0	5	2.370 ± 0.119	0.7360	5	1.428 ± 0.012	1.0000	1.223 ± 0.036	1.0000
2000.0	5	2.290 ± 0.071	0.7716	5	1.443 ± 0.017	1.0000	1.247 ± 0.023	1.0000
Trend p-Value		0.8855			0.6317		0.8400	
Positive Control ²	5	18.480 ± 1.433	< 0.001 *	5	1.920 ± 0.017	< 0.001 *	0.345 ± 0.046	< 0.001 *

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: Corn Oil

2: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****