

Experiment Number: A84932
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: 2-Methylimidazole
CAS Number: 693-98-1

Date Report Requested: 09/21/2018

Time Report Requested: 07:43:50

NTP Study Number:	A84932
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	1.70 ± 0.25		47.80 ± 3.04
25.0	5	1.30 ± 0.44	0.7676	46.60 ± 3.02
50.0	5	1.20 ± 0.25	0.8236	44.80 ± 2.51
100.0	5	0.80 ± 0.20	0.9642	46.90 ± 1.77
200.0	4	1.25 ± 0.43	0.7809	30.00 ± 3.43
Trend p-Value		0.8130		
Positive Control ²	5	22.30 ± 1.62	< 0.001 *	34.00 ± 4.20

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 ****