

Experiment Number: A38684

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 09/20/2018

Time Report Requested: 12:03:38

NTP Study Number:

A38684

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

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	1.70 ± 0.25		47.80 ± 3.04	
25.0	5	1.60 ± 0.19	0.5692	42.60 ± 3.52	
50.0	5	1.40 ± 0.29	0.7051	40.50 ± 3.57	
100.0	4	0.88 ± 0.24	0.9341	30.75 ± 2.47	
Trend p-Value		0.9390			
Positive Control ²	5	22.30 ± 1.62	< 0.001 *	33.00 ± 3.45	

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 ****