

Experiment Number: A65556
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: 2-Chloromethylpyridine hydrochloride
CAS Number: 6959-47-3

Date Report Requested: 09/20/2018
Time Report Requested: 23:45:47

NTP Study Number: A65556
Study Duration: 72 Hours
Study Methodology: Slide Scoring
Male Study Result: Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 24 h

MN PCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	8	1.70 ± 0.36	
75.0	8	2.56 ± 0.58	0.1152
150.0	8	1.46 ± 0.31	0.6510
300.0	8	1.83 ± 0.52	0.4196
Trend p-Value		0.6130	
Positive Control ²	5	13.32 ± 1.32	< 0.001 *

Trial Summary: Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 48 h

MN PCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	8	2.55 ± 0.68	
75.0	8	1.59 ± 0.37	0.9123
150.0	8	2.31 ± 0.61	0.6200
300.0	8	1.71 ± 0.40	0.8777
Trend p-Value		0.7970	
Positive Control ²	5	27.02 ± 2.17	< 0.001 *

Trial Summary: Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 72 h

MN PCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	7	2.37 ± 0.92	
75.0	8	0.98 ± 0.37	0.9831
150.0	8	1.83 ± 0.50	0.7668
300.0	8	1.72 ± 0.45	0.8129
Trend p-Value		0.6220	
Positive Control ²	3	5.20 ± 2.33	0.0101 *

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: Solvent

2: 30.0 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****