

Experiment Number: A79778

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: p-Chloroaniline hydrochloride

CAS Number: 20265-96-7

Date Report Requested: 09/21/2018

Time Report Requested: 05:06:00

NTP Study Number:

A79778

Study Duration:

72 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Positive

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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	1.10 ± 0.51		62.80 ± 4.00
25.0	5	2.40 ± 0.33	0.0477	71.50 ± 2.07
50.0	5	2.50 ± 0.27	0.0383	69.20 ± 1.42
100.0	5	2.00 ± 0.52	0.1100	66.60 ± 4.84
200.0	5	2.50 ± 0.57	0.0383	67.50 ± 5.57
300.0	5	16.60 ± 2.75	< 0.001 *	56.80 ± 4.91
Trend p-Value		< 0.001 *		
Positive Control ²	5	28.60 ± 4.24	< 0.001 *	58.00 ± 2.98

Trial Summary: Positive

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.40 ± 0.60		52.20 ± 4.36
100.0	5	2.10 ± 0.43	0.1807	62.80 ± 1.75
200.0	5	2.30 ± 0.37	0.1269	64.10 ± 5.80
300.0	5	5.60 ± 1.22	< 0.001 *	61.90 ± 3.93
Trend p-Value		< 0.001 *		
Positive Control ²	5	37.00 ± 1.75	< 0.001 *	32.60 ± 3.63

Trial Summary: Positive

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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: 50.0 mg/kg Cyclophosphamide

**** END OF REPORT ****