

Experiment Number: A80927

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Dimethylaminopropyl chloride, hydrochloride

CAS Number: 5407-04-5

Date Report Requested: 09/21/2018

Time Report Requested: 05:50:58

**NTP Study Number:**

A80927

**Study Duration:**

13 Weeks

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Negative

**Female Study Result:**

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

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<b>MN NCE/1000</b>			
<b>Dose (mg/kg)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	10	1.10 ± 0.28	
6.25	10	1.55 ± 0.25	0.1080
12.5	10	1.80 ± 0.26	0.0329
25.0	10	1.10 ± 0.15	0.5000
50.0	10	1.35 ± 0.26	0.2374
100.0	10	1.50 ± 0.29	0.1335
Trend p-Value		0.3950	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

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<b>MN NCE/1000</b>			
<b>Dose (mg/kg)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	10	0.70 ± 0.13	
6.25	10	0.75 ± 0.17	0.4263
12.5	10	1.25 ± 0.25	0.0390
25.0	10	1.15 ± 0.26	0.0694
50.0	10	1.25 ± 0.24	0.0390
100.0	7	1.00 ± 0.27	0.1713
Trend p-Value		0.1880	

Trial Summary: Negative

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LEGEND

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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: Water

**\*\* END OF REPORT \*\***