

Experiment Number: A56806

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/TGAC (FVB/N) HEMIZYGOUS

G04: In Vivo Micronucleus Summary Data

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 09/20/2018

Time Report Requested: 20:06:48

NTP Study Number:

A56806

Study Duration:

24 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 168; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	3.50 ± 0.48	
50.0	14	3.21 ± 0.35	0.6475
250.0	12	3.75 ± 0.55	0.3795
500.0	12	3.42 ± 0.58	0.5418
Trend p-Value		0.4280	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 168; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	12	2.67 ± 0.51	
50.0	15	2.40 ± 0.34	0.6680
250.0	12	2.33 ± 0.41	0.6974
500.0	12	2.83 ± 0.51	0.4026
Trend p-Value		0.3340	

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: Feed

**** END OF REPORT ****