

Experiment Number: A31673

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Benzyltrimethyl ammonium chloride

CAS Number: 56-93-9

Date Report Requested: 09/20/2018

Time Report Requested: 09:17:09

NTP Study Number:

A31673

Study Duration:

13 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Positive

Female Study Result:

Positive

Experiment Number: A31673
Test Type: Genetic Toxicology - Micronucleus
Route: Gavage
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: Benzyltrimethyl ammonium chloride
CAS Number: 56-93-9

Date Report Requested: 09/20/2018
Time Report Requested: 09:17:09

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

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	3.70 ± 0.56	
12.5	10	2.50 ± 0.48	0.9365
25.0	10	2.80 ± 0.61	0.8682
50.0	10	5.20 ± 0.85	0.0555
100.0	9	6.56 ± 1.13	0.0028 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

Experiment Number: A31673
Test Type: Genetic Toxicology - Micronucleus
Route: Gavage
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: Benzyltrimethyl ammonium chloride
CAS Number: 56-93-9

Date Report Requested: 09/20/2018
Time Report Requested: 09:17:09

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

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	2.00 ± 0.33	
12.5	10	2.50 ± 0.56	0.2278
25.0	10	3.00 ± 0.33	0.0784
50.0	10	3.90 ± 0.31	0.0066
100.0	9	6.44 ± 0.65	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

Experiment Number: A31673

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Benzyltrimethyl ammonium chloride

CAS Number: 56-93-9

Date Report Requested: 09/20/2018

Time Report Requested: 09:17:09

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: Water

**** END OF REPORT ****