

Experiment Number: A87268

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Butanal oxime

CAS Number: 110-69-0

Date Report Requested: 09/21/2018

Time Report Requested: 08:30:12

NTP Study Number:

A87268

Study Duration:

13 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Positive

Female Study Result:

Positive

Experiment Number: A87268

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Butanal oxime

CAS Number: 110-69-0

Date Report Requested: 09/21/2018

Time Report Requested: 08:30:12

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

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control [†]	10	1.60 ± 0.34		10	1.70 ± 0.40		2.79 ± 0.07
25.0				10	2.30 ± 0.42	0.1711	
50.0				10	1.70 ± 0.37	0.5000	
100.0				10	2.80 ± 0.39	0.0503	
200.0				10	5.00 ± 0.47	< 0.001 *	
500.0	3	2.67 ± 0.33	0.1163	3	3.00 ± 1.00	0.0811	4.90 ± 0.74
Trend p-Value		0.1160			0.0010 *		

Trial Summary: Positive

Experiment Number: A87268

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Butanal oxime

CAS Number: 110-69-0

Date Report Requested: 09/21/2018

Time Report Requested: 08:30:12

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

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control [†]	10	1.40 ± 0.52		10	0.90 ± 0.18		2.62 ± 0.09
25.0				10	1.40 ± 0.37	0.1484	
50.0				10	1.10 ± 0.31	0.3273	
100.0				10	2.20 ± 0.44	0.0097	
200.0				10	4.40 ± 0.69	< 0.001 *	
500.0	1	3.00 ± 0.00	< 0.001 *	1	3.00 ± 0.00	< 0.001 *	5.20 ± 0.00
Trend p-Value		< 0.001 *			< 0.001 *		

Trial Summary: Positive

Experiment Number: A87268
Test Type: Genetic Toxicology - Micronucleus
Route: Gavage
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: Butanal oxime
CAS Number: 110-69-0

Date Report Requested: 09/21/2018
Time Report Requested: 08:30:12

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: Carboxymethylcellulose

**** END OF REPORT ****