

Experiment Number: A49283

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Indium phosphide

CAS Number: 22398-80-7

Date Report Requested: 09/20/2018

Time Report Requested: 16:39:49

NTP Study Number:

A49283

Study Duration:

90 Days

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

Dose (mg/m3)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	10	0.90 ± 0.35		10	1.10 ± 0.31		2.52 ± 0.09
1.0				10	1.30 ± 0.33	0.3415	
3.0				10	1.10 ± 0.31	0.5000	
10.0				10	1.30 ± 0.21	0.3415	
30.0	6	1.33 ± 0.33	0.2077	6	1.67 ± 0.49	0.1689	2.70 ± 0.16
Trend p-Value		0.2080			0.1610		

Trial Summary: Negative

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Test Compound: Indium phosphide
CAS Number: 22398-80-7

Date Report Requested: 09/20/2018
Time Report Requested: 16:39:49

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

Dose (mg/m3)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	10	1.70 ± 0.42		10	1.50 ± 0.27		2.73 ± 0.13
1.0				9	1.67 ± 0.37	0.3863	
3.0				10	2.40 ± 0.43	0.0746	
10.0				9	1.89 ± 0.35	0.2570	
30.0	9	4.11 ± 0.68	< 0.001 *	9	2.78 ± 0.32	0.0275	2.46 ± 0.16
Trend p-Value		0.0010 *			0.0380		

Trial Summary: Negative

Experiment Number: **A49283**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Inhalation**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Indium phosphide**
CAS Number: **22398-80-7**

Date Report Requested: **09/20/2018**
Time Report Requested: **16:39:49**

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: Air

**** END OF REPORT ****