

Experiment Number: A31749

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 09/20/2018

Time Report Requested: 09:22:08

NTP Study Number:

A31749

Study Duration:

3 Days

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Experiment Number: A31749
Test Type: Genetic Toxicology - Micronucleus
Route: Gavage
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data
Test Compound: Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 09/20/2018
Time Report Requested: 09:22:08

Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	1.00 ± 0.22		51.10 ± 3.98	
500.0	5	1.22 ± 0.33	0.3227	27.56 ± 8.24	
1000.0	3	1.33 ± 0.17	0.2713	41.50 ± 2.50	
2000.0	4	0.83 ± 0.38	0.6306	27.38 ± 8.30	
Trend p-Value		0.6110			
Positive Control ²	4	26.17 ± 5.17	< 0.001 *	7.08 ± 2.21	

Trial Summary: Negative

Experiment Number: A31749

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 09/20/2018

Time Report Requested: 09:22:08

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: Solvent

2: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****