

Experiment Number: 129459  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**  
Test Compound: 2-Biphenylamine hydrochloride  
CAS Number: 2185-92-4

Date Report Requested: 09/19/2018  
Time Report Requested: 12:51:28

**NTP Study Number:** 129459  
**Study Duration:** 72 Hours  
**Study Methodology:** Slide Scoring  
**Male Study Result:** Negative

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

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.80 ± 0.20		3.00 ± 0.30
50.0	5	1.80 ± 0.34	0.5000	2.80 ± 0.33
100.0	5	2.00 ± 0.27	0.3727	3.22 ± 0.32
200.0	3	3.00 ± 0.76	0.0605	2.53 ± 0.29
Trend p-Value		0.0500		
Positive Control <sup>2</sup>	5	8.50 ± 1.75	< 0.001 *	1.96 ± 0.58

Trial Summary: Negative

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	3.80 ± 0.70		4.02 ± 0.30
75.0	4	2.63 ± 0.13	0.9147	2.45 ± 0.13
100.0	4	2.38 ± 0.63	0.9546	2.60 ± 0.29
150.0	4	2.25 ± 0.43	0.9682	2.50 ± 0.20
Trend p-Value		0.9840		
Positive Control <sup>2</sup>	5	11.60 ± 1.68	< 0.001 *	2.76 ± 0.41

Trial Summary: Negative

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

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.10 ± 0.40		49.90 ± 2.46
50.0	5	1.70 ± 0.46	0.1999	54.10 ± 3.33
100.0	5	3.20 ± 0.80	0.0087	56.80 ± 1.14
200.0	3	2.00 ± 1.04	0.1402	58.17 ± 4.23
Trend p-Value		0.0860		
Positive Control <sup>2</sup>	5	6.60 ± 1.57	< 0.001 *	48.30 ± 4.09

Trial Summary: Negative

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

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	2.30 ± 0.56		50.70 ± 6.07
75.0	4	3.75 ± 0.85	0.0372	54.13 ± 3.49
100.0	4	1.63 ± 0.13	0.8431	53.50 ± 6.87
150.0	4	1.63 ± 0.52	0.8431	37.88 ± 10.75
Trend p-Value		0.8620		
Positive Control <sup>2</sup>	5	10.60 ± 1.31	< 0.001 *	45.40 ± 5.95

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Trial Summary: Negative

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#### LEGEND

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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: Corn Oil

2: 12.5 mg/kg Dimethylbenzanthracene

**\*\* END OF REPORT \*\***