

Experiment Number: A93691

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Salicylazosulfapyridine

CAS Number: 599-79-1

Date Report Requested: 09/21/2018

Time Report Requested: 11:43:45

NTP Study Number:

A93691

Study Duration:

72 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Positive (Nonstandard Protocol)

Female Study Result:

Positive

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CAS Number: 599-79-1

Date Report Requested: 09/21/2018

Time Report Requested: 11:43:45

Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; 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 ¹	5	0.90 ± 0.29		5	0.00 ± 0.00		29.52 ± 0.98
1000.0	5	0.30 ± 0.12	0.9584	5	0.00 ± 0.00	0.5000	29.82 ± 0.84
2000.0	5	0.90 ± 0.29	0.5000	5	0.00 ± 0.00	0.5000	28.72 ± 0.85
4000.0	5	0.80 ± 0.25	0.5959	5	0.00 ± 0.00	0.5000	30.94 ± 1.15
Trend p-Value		0.3890					
Positive Control ²	5	3.80 ± 0.58	< 0.001 *	5	0.00 ± 0.00	0.5000	32.24 ± 1.94

Trial Summary: Positive (Nonstandard Protocol)

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CAS Number: 599-79-1

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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		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	1.50 ± 0.42		2	0.00 ± 0.00		43.95 ± 1.35
1000.0	5	4.30 ± 0.62	< 0.001 *	3	0.00 ± 0.00	0.5000	48.33 ± 0.69
2000.0	5	4.70 ± 0.70	< 0.001 *	4	0.00 ± 0.00	0.5000	42.43 ± 2.60
4000.0	5	3.90 ± 0.33	< 0.001 *	5	0.00 ± 0.00	0.5000	45.94 ± 0.65
Trend p-Value		0.0100 *					
Positive Control ³	5	5.30 ± 0.82	< 0.001 *	5	0.00 ± 0.00	0.5000	43.24 ± 2.08

Trial Summary: Positive (Nonstandard Protocol)

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CAS Number: 599-79-1

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Tissue: Bone marrow; Sex: Female; Number of Treatments: 3; 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 ¹	5	0.40 ± 0.29		3	0.00 ± 0.00		47.83 ± 0.98
1000.0	5	5.40 ± 0.80	< 0.001 *	2	0.00 ± 0.00	0.5000	47.80 ± 0.90
2000.0	5	6.70 ± 0.58	< 0.001 *	4	0.00 ± 0.00	0.5000	49.03 ± 0.35
4000.0	5	4.80 ± 0.78	< 0.001 *	4	0.00 ± 0.00	0.5000	43.68 ± 2.84
Trend p-Value		< 0.001 *					
Positive Control ³	5	3.80 ± 0.77	< 0.001 *	5	0.00 ± 0.00	0.5000	44.08 ± 3.67

Trial Summary: Positive

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Tissue: Bone marrow; Sex: Female; Number of Treatments: 3; 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 ¹	5	1.00 ± 0.27		2	0.00 ± 0.00		49.05 ± 0.55
1000.0	5	5.20 ± 0.54	< 0.001 *	1	0.00 ± 0.00	< 0.001 *	49.90 ± 0.00
2000.0	5	7.50 ± 0.97	< 0.001 *	1	0.00 ± 0.00	< 0.001 *	49.80 ± 0.00
4000.0	5	5.70 ± 0.96	< 0.001 *	1	0.00 ± 0.00	< 0.001 *	46.60 ± 0.00
Trend p-Value		< 0.001 *					
Positive Control ³	5	1.50 ± 0.59	0.1585	5	0.00 ± 0.00	0.5000	49.92 ± 0.31

Trial Summary: Positive

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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: Corn Oil

2: 25.0 mg/kg Dimethylbenzanthracene

3: 12.5 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****