

Experiment Number: **A64289**  
Test Type: **Genetic Toxicology - Micronucleus**  
Route: **Intraperitoneal Injection**  
Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**  
Test Compound: **p,p'-Dichlorodiphenyl sulfone**  
CAS Number: **80-07-9**

Date Report Requested: **09/20/2018**  
Time Report Requested: **23:11:30**

**NTP Study Number:** A64289  
**Study Duration:** 72 Hours  
**Study Methodology:** Slide Scoring  
**Male Study Result:** Positive

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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	1.20 ± 0.41		38.20 ± 2.14
200.0	5	2.20 ± 0.51	0.1079	47.50 ± 1.86
400.0	5	3.80 ± 1.29	0.0040 *	35.70 ± 2.28
600.0	5	2.90 ± 0.58	0.0276	24.60 ± 2.62
800.0	5	1.60 ± 0.48	0.2927	28.70 ± 1.59
Trend p-Value		0.2390		
Positive Control <sup>2</sup>	5	22.40 ± 1.85	< 0.001 *	36.00 ± 2.80

Trial Summary: Positive

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	4	0.50 ± 0.35		50.00 ± 2.47
200.0	5	2.20 ± 0.89	0.0215	48.50 ± 4.32
400.0	4	3.25 ± 1.05	0.0032 *	39.75 ± 4.89
600.0	4	2.88 ± 0.85	0.0065	32.13 ± 2.78
800.0	5	3.30 ± 0.44	0.0026 *	26.30 ± 1.94
Trend p-Value		0.0070 *		
Positive Control <sup>2</sup>	5	11.30 ± 1.35	< 0.001 *	47.20 ± 4.05

Trial Summary: Positive

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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: 25.0 mg/kg Cyclophosphamide

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