

Experiment Number: F61727

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Octabromodiphenyl ether

CAS Number: 32536-52-0

Date Report Requested: 09/21/2018

Time Report Requested: 16:53:50

NTP Study Number:

F61727

Study Duration:

3 Days

Study Methodology:

Flow Cytometry

Male Study Result:

Positive

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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		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	2.366 ± 0.190		5	1.536 ± 0.052		1.737 ± 0.119	
500.0	5	2.718 ± 0.262	0.2177	5	1.554 ± 0.050	0.4901	0.360 ± 0.015	0.4802
1000.0	5	3.685 ± 0.198	0.0052 *	5	1.548 ± 0.025	0.5712	0.190 ± 0.015	0.0125 *
2000.0	4	4.269 ± 0.602	< 0.001 *	4	1.503 ± 0.016	0.6188	0.119 ± 0.019	< 0.001 *
Trend p-Value		< 0.001 *			0.7399		< 0.001 *	
Positive Control ²	5	28.638 ± 0.479	< 0.001 *	5	1.915 ± 0.043	< 0.001 *	0.211 ± 0.032	< 0.001 *

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

Pairwise comparison with the control group; values are significant at $P \leq 0.025$ by Williams or Dunn's test

Dose-related trend; significant at $P \leq 0.025$ by linear regression or Jonckheere's test

* Statistically significant pairwise or trend test

1: Vehicle Control: Corn Oil

2: 50.0 mg/kg Cyclophosphamide

**** END OF REPORT ****