

Experiment Number: F66788

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Rat/F344/NTac

G04: In Vivo Micronucleus Summary Data

Test Compound: p-Toluenesulfonamide

CAS Number: 70-55-3

Date Report Requested: 09/21/2018

Time Report Requested: 17:16:29

NTP Study Number:

F66788

Study Duration:

13 Weeks

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

Female Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

Dose (ppm)	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	0.370 ± 0.073		5	0.120 ± 0.040		1.411 ± 0.075	
625.0	5	0.468 ± 0.113	0.4098	5	0.160 ± 0.027	0.2146	1.336 ± 0.126	1.0000
1250.0	5	0.570 ± 0.072	0.4823	5	0.288 ± 0.036	0.2575	1.504 ± 0.044	0.8525
2500.0	5	0.360 ± 0.053	0.5133	5	0.136 ± 0.022	0.2759	1.416 ± 0.109	0.8942
5000.0	5	0.310 ± 0.048	0.5314	5	0.083 ± 0.030	0.2848	1.686 ± 0.107	0.0907
10000.0	5	0.270 ± 0.086	0.5419	5	0.097 ± 0.014	0.2920	1.676 ± 0.084	0.0911
Trend p-Value		0.9796			0.9748		0.0099 *	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

Dose (ppm)	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	0.460 ± 0.087		5	0.202 ± 0.038		1.062 ± 0.052	
625.0	5	0.350 ± 0.071	0.7779	5	0.147 ± 0.019	0.6905	1.148 ± 0.066	0.4684
1250.0	5	0.318 ± 0.034	0.8551	5	0.201 ± 0.032	0.7758	1.288 ± 0.109	0.1302
2500.0	5	0.330 ± 0.075	0.8820	5	0.142 ± 0.032	0.8085	1.290 ± 0.102	0.1388
5000.0	5	0.430 ± 0.075	0.7365	5	0.196 ± 0.016	0.7287	1.223 ± 0.059	0.1418
10000.0	5	0.500 ± 0.141	0.4994	5	0.182 ± 0.078	0.7426	1.284 ± 0.133	0.1393
Trend p-Value		0.1117			0.4499		0.2514	

Trial Summary: Negative

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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: Feed

**** END OF REPORT ****