

Experiment Number: **G98013**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Rat/F344/NTac**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Myristicin**

CAS Number: **607-91-0**

Date Report Requested: **09/23/2018**

Time Report Requested: **16:36:42**

NTP Study Number:

G98013

Study Duration:

13 Weeks

Study Methodology:

Flow Cytometry

Male Study Result:

Positive

Female Study Result:

Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 65; 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	0.440 ± 0.142		5	0.238 ± 0.069		1.230 ± 0.080	
10.0	5	0.380 ± 0.051	0.6132	5	0.184 ± 0.063	0.5967	1.209 ± 0.049	1.0000
30.0	5	0.420 ± 0.077	0.7001	5	0.325 ± 0.035	0.4044	1.469 ± 0.060	0.0542
100.0	5	0.380 ± 0.041	0.7347	5	0.243 ± 0.061	0.4319	1.372 ± 0.060	0.0567
300.0	5	0.470 ± 0.078	0.5263	5	0.420 ± 0.144	0.2471	1.651 ± 0.092	< 0.001 *
600.0	5	0.750 ± 0.091	0.0109 *	5	0.257 ± 0.048	0.2528	1.789 ± 0.077	< 0.001 *
Trend p-Value		< 0.001 *			0.2637		< 0.001 *	

Trial Summary: Positive

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Date Report Requested: **09/23/2018**
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Tissue: Blood; Sex: Female; Number of Treatments: 65; 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	0.240 ± 0.089		5	0.092 ± 0.025		1.012 ± 0.034	
10.0	5	0.240 ± 0.024	0.5014	5	0.073 ± 0.016	0.6367	1.053 ± 0.072	0.7446
30.0	5	0.310 ± 0.019	0.3737	5	0.136 ± 0.019	0.3280	1.156 ± 0.084	0.2634
100.0	5	0.239 ± 0.054	0.3987	5	0.081 ± 0.018	0.3508	1.236 ± 0.130	0.1050
300.0	5	0.290 ± 0.043	0.3183	5	0.139 ± 0.015	0.0647	1.256 ± 0.050	0.0495
600.0	5	0.410 ± 0.033	0.0139 *	5	0.230 ± 0.021	< 0.001 *	1.599 ± 0.111	< 0.001 *
Trend p-Value		0.0056 *			< 0.001 *		< 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

**** END OF REPORT ****