G04: In Vivo Micronucleus Assay Summary Data (Study Method: Flow Cytometry)

Study Number: C12007-01
DTTID: 104-015-006-000-7
Study Type: Toxicology-14-day
Species/Strain: Rat/Harlan Sprague Dawley

Test Compound: 2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol
CAS Number: 70321-86-7
DTXSID: DTXSID2028985

Date: 14 May 2026
Time: 2:59:09 PM

Evaluation of micronuclei in peripheral blood from Sprague-Dawley Rats for 14 days via oral gavage

Summary of Results

	Results
Overall Result	Negative
Male Rat Study	Negative

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Evaluation of micronuclei in peripheral blood from Male Sprague-Dawley Rats for 14 days via oral gavage

2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol; Male

	MN-RET/1000	MN-ME/1000	%RET	Summary
Vehicle Control (0.5% Aqueous Methylcellulose)				
0 mg/kg/day	0.840 ± 0.06[5]	0.077 ± 0.01[5]	1.157 ± 0.05[5]	
Test Article				
30 mg/kg/day	0.870 ± 0.09[5], p=1.000	0.060 ± 0.01[5], p=1.000	1.198 ± 0.04[5], p=1.000	
100 mg/kg/day	0.890 ± 0.10[5], p=1.000	0.050 ± 0.01[5], p=1.000	1.186 ± 0.05[5], p=1.000	
300 mg/kg/day	0.730 ± 0.13[5], p=1.000	0.056 ± 0.01[5], p=1.000	1.174 ± 0.09[5], p=1.000	
1000 mg/kg/day	0.740 ± 0.08[5], p=1.000	0.046 ± 0.01[5], p=1.000	1.142 ± 0.10[5], p=1.000	
Trend Significance				
p-value	0.792	0.993	0.962	
Male Rat Study				
Result				Negative

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LEGEND

CAS Number = Chemical Abstract Service registry number

MN = micronucleated; RET = reticulocyte; ME = mature erythrocyte

Values given as Mean ± Standard Error of the Mean (SEM) [Number of Test Subjects], p-value

MN-RET/1000 and MN-ME/1000: Pairwise comparison of treated groups vs the vehicle control group; values are significant at $p \leq 0.025$ by one-sided Dunn's test; dose-related trend, significant at $p \leq 0.025$ by one-sided Jonckheere's test

%RET: Pairwise comparison of treated groups vs the vehicle control group; values are significant at $p \leq 0.025$ by two-sided Dunn's test; dose-related trend, significant at $p \leq 0.025$ by two-sided Jonckheere's test

*Statistically significant pairwise or trend test

** END OF REPORT **