

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

Study Number: C12010-01

Test Compound: Drometrizole

Date: 14 May 2026

DTTID: 104-015-003-000-4

CAS Number: 2440-22-4

Time: 3:29:52 PM

Study Type: Toxicology-14-day

DTXSID: DTXSID1027479

Species/Strain: Rat/Harlan Sprague Dawley

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

Drometrizole; Male				
	MN-RET/1000	MN-ME/1000	%RET	Summary
Vehicle Control (0.5% Aqueous Methylcellulose)				
0 mg/kg/day	0.580 ± 0.10[5]	0.077 ± 0.01[5]	1.248 ± 0.04[5]	
Test Article				
30 mg/kg/day	0.720 ± 0.13[5], p=1.000	0.061 ± 0.00[5], p=1.000	1.237 ± 0.07[5], p=1.000	
100 mg/kg/day	0.640 ± 0.14[5], p=1.000	0.049 ± 0.00[5], p=1.000	1.459 ± 0.06[5], p=0.127	
300 mg/kg/day	0.690 ± 0.09[5], p=1.000	0.050 ± 0.00[5], p=1.000	1.330 ± 0.10[5], p=0.731	
1000 mg/kg/day	0.755 ± 0.17[5], p=1.000	0.045 ± 0.00[5], p=1.000	1.298 ± 0.08[5], p=1.000	
Trend Significance				
p-value	0.299	1.000	0.315	
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 $\pm$ 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 ****