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

Study Number: C12013-01
DTTID: 104-015-007-000-8
Study Type: Toxicology-14-day
Species/Strain: Rat/Harlan Sprague Dawley

Test Compound: 2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)phenol
CAS Number: 3864-99-1
DTXSID: DTXSID4038893

Date: 14 May 2026
Time: 3:24:44 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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**2-(5-chloro-2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)phenol; Male**

| | MN-RET/1000 | MN-ME/1000 | %RET | Summary |
|---|---|---|---|---|
| **Vehicle Control (0.5% Aqueous Methylcellulose)** | | | | |
| 0 mg/kg/day | 0.646 ± 0.09[5] | 0.081 ± 0.02[5] | 1.361 ± 0.21[5] | |
| **Test Article** | | | | |
| 30 mg/kg/day | 0.660 ± 0.11[5], p=1.000 | 0.079 ± 0.00[5], p=0.395 | 0.558 ± 0.03[5], p=0.003 * | |
| 100 mg/kg/day | 0.810 ± 0.13[5], p=0.662 | 0.077 ± 0.03[5], p=1.000 | 0.780 ± 0.15[5], p=0.141 | |
| 300 mg/kg/day | 0.590 ± 0.08[5], p=1.000 | 0.070 ± 0.01[5], p=1.000 | 0.904 ± 0.09[5], p=0.790 | |
| 1000 mg/kg/day | 0.740 ± 0.10[5], p=1.000 | 0.065 ± 0.01[5], p=1.000 | 1.098 ± 0.08[5], p=1.000 | |
| **Trend Significance** | | | | |
| p-value | 0.324 | 0.733 | 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 ± 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 **