Study Number:	C12006-01
Study Sex:	Male
PWG Approval Date:	See web page for date of PWG Approval
Version:	v1.7.4
Stat Version:	2023.02.27S

Study Number: C12006-01
Test Type: TOX
Route: Oral Gavage
Species/Strain: Rat/Harlan Sprague Dawley

PA43: Hematology Summary
Test Compound: 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylpropyl)phenol
CAS Number: 25973-55-1

Date Report Requested: 04/08/2026
Time Report Requested: 12:32:54
Lab: Battelle

Male

		Treatment Groups (mg/kg)			
	Phase Day	**0**	**30**	**100**	**300**
Hematocrit (%)	SD 14	48.3 ± 1.2 (5)	47.9 ± 1.0 (5)	50.0 ± 1.0 (5)	49.3 ± 0.5 (5)
Percent of Control			99.2	103.6	102.1
Manual Hematocrit (%)	SD 14	47.2 ± 1.0 (5)	45.6 ± 0.9 (5)	49.0 ± 0.8 (5)	47.8 ± 0.4 (5)
Percent of Control			96.6	103.8	101.3
Hemoglobin (g/dL)	SD 14	14.9 ± 0.3 (5)	15.0 ± 0.3 (5)	15.6 ± 0.3 (5)	15.3 ± 0.1 (5)
Percent of Control			100.7	104.4	102.5
Erythrocytes (10^6/uL)	SD 14	8.59 ± 0.21 (5)	8.39 ± 0.14 (5)	8.81 ± 0.16 (5)	8.78 ± 0.09 (5)
Percent of Control			97.7	102.6	102.2
Reticulocytes (10^3/uL)	SD 14	215.2 ± 15.7 (5) *	194.0 ± 8.8 (5)	201.0 ± 9.4 (5)	182.9 ± 7.0 (5)
Percent of Control			90.1	93.4	85.0
Mean Cell Volume (fL)	SD 14	56.2 ± 1.0 (5)	57.1 ± 0.4 (5)	56.8 ± 0.7 (5)	56.1 ± 0.4 (5)
Percent of Control			101.5	101.0	99.8
Mean Cell Hemoglobin (pg)	SD 14	17.4 ± 0.3 (5) *	17.9 ± 0.1 (5)	17.7 ± 0.2 (5)	17.4 ± 0.1 (5)
Percent of Control			103.0	101.7	100.0
Mean Cell Hemoglobin Concentration (g/dL)	SD 14	31.0 ± 0.2 (5)	31.5 ± 0.1 (5)	31.2 ± 0.2 (5)	31.0 ± 0.2 (5)
Percent of Control			101.5	100.6	100.2
Platelets (10^3/uL)	SD 14	1042 ± 63 (5)	992 ± 67 (5)	941 ± 72 (5)	1027 ± 68 (5)
Percent of Control			95.2	90.3	98.6
White Blood Cells (10^3/uL)	SD 14	8.17 ± 0.83 (5) **	10.99 ± 0.77 (5)	12.21 ± 1.39 (5) *	12.50 ± 1.33 (5) *
Percent of Control			134.5	149.4	152.9
Neutrophils (10^3/uL)	SD 14	0.83 ± 0.10 (5) **	0.94 ± 0.05 (5)	1.01 ± 0.15 (5)	1.16 ± 0.10 (5) *
Percent of Control			112.8	121.4	139.8

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		Treatment Groups (mg/kg)			
	Phase Day	**0**	**30**	**100**	**300**
Lymphocytes (10^3/uL)	SD 14	6.96 ± 0.78 (5) *	9.49 ± 0.68 (5)	10.56 ± 1.35 (5)	10.72 ± 1.22 (5)
Percent of Control			136.3	151.6	154.0
Monocytes (10^3/uL)	SD 14	0.24 ± 0.04 (5)	0.34 ± 0.05 (5)	0.35 ± 0.05 (5)	0.37 ± 0.05 (5)
Percent of Control			143.3	146.7	152.5
Basophils (10^3/uL)	SD 14	0.02 ± 0.00 (5) *	0.04 ± 0.01 (5)	0.06 ± 0.01 (5) *	0.06 ± 0.01 (5) *
Percent of Control			166.7	233.3	250.0
Eosinophils (10^3/uL)	SD 14	0.04 ± 0.01 (5)	0.09 ± 0.01 (5)	0.10 ± 0.05 (5)	0.09 ± 0.02 (5)
Percent of Control			215.0	260.0	215.0
Large Unstained Cells (10^3/uL)	SD 14	0.07 ± 0.01 (5) *	0.10 ± 0.02 (5)	0.12 ± 0.01 (5)	0.10 ± 0.01 (5)
Percent of Control			129.7	162.2	140.5

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		Treatment Groups
	Phase Day	**1000**
Hematocrit (%)	SD 14	50.1 ± 1.9 (4)
Percent of Control		103.8
Manual Hematocrit (%)	SD 14	48.3 ± 1.8 (4)
Percent of Control		102.2
Hemoglobin (g/dL)	SD 14	15.2 ± 0.5 (4)
Percent of Control		101.6
Erythrocytes (10^6/uL)	SD 14	9.00 ± 0.24 (4)
Percent of Control		104.7
Reticulocytes (10^3/uL)	SD 14	155.0 ± 18.9 (4)
Percent of Control		72.0
Mean Cell Volume (fL)	SD 14	55.7 ± 1.2 (4)
Percent of Control		99.1
Mean Cell Hemoglobin (pg)	SD 14	16.9 ± 0.3 (4)
Percent of Control		96.9
Mean Cell Hemoglobin Concentration (g/dL)	SD 14	30.3 ± 0.2 (4)
Percent of Control		97.8
Platelets (10^3/uL)	SD 14	1011 ± 70 (4)
Percent of Control		97.0
White Blood Cells (10^3/uL)	SD 14	13.85 ± 2.39 (4) *
Percent of Control		169.5
Neutrophils (10^3/uL)	SD 14	1.24 ± 0.15 (4) *
Percent of Control		149.4

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		Treatment Groups
	Phase Day	**1000**
Lymphocytes (10^3/uL)	SD 14	11.90 ± 2.11 (4)
Percent of Control		170.9
Monocytes (10^3/uL)	SD 14	0.36 ± 0.07 (4)
Percent of Control		149.0
Basophils (10^3/uL)	SD 14	0.06 ± 0.02 (4)
Percent of Control		229.2
Eosinophils (10^3/uL)	SD 14	0.08 ± 0.01 (4)
Percent of Control		193.8
Large Unstained Cells (10^3/uL)	SD 14	0.22 ± 0.10 (4)
Percent of Control		290.5

LEGEND

Values given as mean ± SEM (N) with Percent of Control calculated by (dosed group mean / control group mean) x 100.

Statistical analysis was performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

SD = Study Day

Statistical significance for the control group indicates a significant trend test.

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group.

** Statistically significant at p <= 0.01

* Statistically significant at p <= 0.05

SEM = Standard Error of the Mean

Hematology data not reported was removed as an outlier, or was due to pre-analytical or analytical conditions or errors including but not limited to: short sample, quantity not sufficient, or clotted sample.

** END OF REPORT **