

Study Number: C15002-01
Test Type: TOX
Route: Oral Gavage
Species/Strain: Rat/Sprague Dawley

PA43: Hematology Summary
Test Compound: 1,2-bis(pentabromophenyl)ethane
CAS Number: 84852-53-9

Date Report Requested: 04/08/2019
Time Report Requested: 11:02:35
Lab: Battelle

C Number: C15002-01
Study Gender: Male
PWG Approval Date See web page for date of PWG Approval

Study Number: C15002-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Sprague Dawley

PA43: Hematology Summary

Test Compound: 1,2-bis(pentabromophenyl)ethane

CAS Number: 84852-53-9

Date Report Requested: 04/08/2019

Time Report Requested: 11:02:35

Lab: Battelle

Male: Core Males

	Phase Day	Treatment Groups (mg/kg)			
		0	0.1	0.97	9.71
Hematocrit (%)	SD 5	49.1 ± 1.3 (6)	48.5 ± 1.0 (6)	49.1 ± 1.5 (6)	48.0 ± 2.2 (6)
Percent of Control			98.7	99.9	97.8
Manual Hematocrit (%)	SD 5	46.5 ± 1.0 (6)	46.3 ± 0.8 (6)	46.8 ± 1.1 (6)	46.3 ± 2.2 (6)
Percent of Control			99.6	100.7	99.6
Hemoglobin (g/dL)	SD 5	14.4 ± 0.3 (6)	14.3 ± 0.3 (6)	14.4 ± 0.3 (6)	14.3 ± 0.6 (6)
Percent of Control			99.0	100.0	98.8
Erythrocytes (10 ⁶ /uL)	SD 5	7.41 ± 0.17 (6)	7.44 ± 0.15 (6)	7.40 ± 0.17 (6)	7.37 ± 0.34 (6)
Percent of Control			100.43	99.80	99.42
Reticulocytes (10 ³ /uL)	SD 5	410.4 ± 11.7 (6)	406.1 ± 8.6 (6)	401.0 ± 14.0 (6)	368.6 ± 17.4 (6)
Percent of Control			99.0	97.7	89.8
Nucleated Red Blood Cells (/100 WBC)	SD 5	0.17 ± 0.17 (6)	0.00 ± 0.00 (6)	0.00 ± 0.00 (6)	0.00 ± 0.00 (6)
Percent of Control			0.00	0.00	0.00
Mean Cell Volume (fL)	SD 5	66.2 ± 0.7 (6)	65.1 ± 0.2 (6)	66.3 ± 0.7 (6)	65.2 ± 0.4 (6)
Percent of Control			98.4	100.2	98.5
Mean Cell Hemoglobin (pg)	SD 5	19.5 ± 0.2 (6)	19.2 ± 0.1 (6)	19.5 ± 0.1 (6)	19.3 ± 0.1 (6)
Percent of Control			98.5	100.1	99.4
Mean Cell Hemoglobin Concentration (g/dL)	SD 5	29.4 ± 0.1 (6) *	29.5 ± 0.1 (6)	29.4 ± 0.3 (6)	29.6 ± 0.1 (6)
Percent of Control			100.2	100.1	100.8
Platelets (10 ³ /uL)	SD 5	955 ± 119 (6)	966 ± 22 (6)	910 ± 74 (6)	845 ± 97 (6)
Percent of Control			101	95	89
White Blood Cells (10 ³ /uL)	SD 5	13.36 ± 1.51 (6)	12.49 ± 1.14 (6)	15.98 ± 1.83 (6)	13.38 ± 0.88 (6)
Percent of Control			93.51	119.64	100.12

Study Number: C15002-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Sprague Dawley

PA43: Hematology Summary

Test Compound: 1,2-bis(pentabromophenyl)ethane

CAS Number: 84852-53-9

Date Report Requested: 04/08/2019

Time Report Requested: 11:02:35

Lab: Battelle

Male: Core Males

	Phase Day	Treatment Groups (mg/kg)			
		0	0.1	0.97	9.71
Neutrophils (10 ³ /uL)	SD 5	1.14 ± 0.10 (6)	1.16 ± 0.22 (6)	1.46 ± 0.20 (6)	1.03 ± 0.15 (6)
Percent of Control			101.75	128.36	89.91
Lymphocytes (10 ³ /uL)	SD 5	11.35 ± 1.41 (6)	10.43 ± 1.02 (6)	13.33 ± 1.54 (6)	11.55 ± 0.85 (6)
Percent of Control			91.93	117.48	101.84
Monocytes (10 ³ /uL)	SD 5	0.58 ± 0.06 (6)	0.67 ± 0.13 (6)	0.87 ± 0.14 (6)	0.55 ± 0.04 (6)
Percent of Control			114.61	148.71	95.13
Basophils (10 ³ /uL)	SD 5	0.09 ± 0.01 (6)	0.08 ± 0.01 (6)	0.12 ± 0.02 (6)	0.08 ± 0.01 (6)
Percent of Control			90.38	136.54	92.31
Eosinophils (10 ³ /uL)	SD 5	0.09 ± 0.04 (6)	0.06 ± 0.01 (6)	0.07 ± 0.01 (6)	0.06 ± 0.01 (6)
Percent of Control			60.00	74.55	60.00
Large Unstained Cells (10 ³ /uL)	SD 5	0.11 ± 0.03 (6)	0.11 ± 0.02 (6)	0.14 ± 0.02 (6)	0.11 ± 0.01 (6)
Percent of Control			92.65	122.06	94.12

Study Number: C15002-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Sprague Dawley

PA43: Hematology Summary

Test Compound: 1,2-bis(pentabromophenyl)ethane

CAS Number: 84852-53-9

Date Report Requested: 04/08/2019

Time Report Requested: 11:02:35

Lab: Battelle

Male: Core Males

	Phase Day	Treatment Groups (mg/kg)	
		97.1	970
Hematocrit (%)	SD 5	48.1 ± 0.7 (6)	50.4 ± 1.5 (5)
Percent of Control		98.0	102.7
Manual Hematocrit (%)	SD 5	46.2 ± 0.6 (6)	48.4 ± 1.2 (5)
Percent of Control		99.3	104.1
Hemoglobin (g/dL)	SD 5	14.1 ± 0.2 (6)	14.6 ± 0.4 (5)
Percent of Control		97.5	101.3
Erythrocytes (10 ⁶ /uL)	SD 5	7.23 ± 0.12 (6)	7.44 ± 0.25 (5)
Percent of Control		97.62	100.40
Reticulocytes (10 ³ /uL)	SD 5	391.0 ± 8.5 (6)	459.5 ± 35.2 (5)
Percent of Control		95.3	112.0
Nucleated Red Blood Cells (/100 WBC)	SD 5	0.17 ± 0.17 (6)	0.00 ± 0.00 (5)
Percent of Control		100.00	0.00
Mean Cell Volume (fL)	SD 5	66.5 ± 0.5 (6)	67.8 ± 0.8 (5)
Percent of Control		100.4	102.4
Mean Cell Hemoglobin (pg)	SD 5	19.5 ± 0.1 (6)	19.6 ± 0.3 (5)
Percent of Control		100.0	100.9
Mean Cell Hemoglobin Concentration (g/dL)	SD 5	29.3 ± 0.1 (6)	28.9 ± 0.1 (5)
Percent of Control		99.5	98.5
Platelets (10 ³ /uL)	SD 5	1022 ± 70 (6)	912 ± 115 (5)
Percent of Control		107	96
White Blood Cells (10 ³ /uL)	SD 5	11.97 ± 1.09 (6)	13.10 ± 1.78 (5)
Percent of Control		89.62	98.05

Study Number: C15002-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Sprague Dawley

PA43: Hematology Summary

Test Compound: 1,2-bis(pentabromophenyl)ethane

CAS Number: 84852-53-9

Date Report Requested: 04/08/2019

Time Report Requested: 11:02:35

Lab: Battelle

Male: Core Males

	Phase Day	Treatment Groups (mg/kg)	
		97.1	970
Neutrophils (10 ³ /uL)	SD 5	1.04 ± 0.07 (6)	1.30 ± 0.42 (5)
Percent of Control		90.94	114.04
Lymphocytes (10 ³ /uL)	SD 5	10.18 ± 0.94 (6)	10.86 ± 1.31 (5)
Percent of Control		89.73	95.76
Monocytes (10 ³ /uL)	SD 5	0.57 ± 0.11 (6)	0.67 ± 0.13 (5)
Percent of Control		97.13	115.53
Basophils (10 ³ /uL)	SD 5	0.05 ± 0.01 (6)	0.08 ± 0.01 (5)
Percent of Control		59.62	96.92
Eosinophils (10 ³ /uL)	SD 5	0.04 ± 0.00 (6)	0.06 ± 0.01 (5)
Percent of Control		45.45	61.09
Large Unstained Cells (10 ³ /uL)	SD 5	0.10 ± 0.03 (6)	0.12 ± 0.03 (5)
Percent of Control		85.29	105.88

Study Number: C15002-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Sprague Dawley

PA43: Hematology Summary

Test Compound: 1,2-bis(pentabromophenyl)ethane

CAS Number: 84852-53-9

Date Report Requested: 04/08/2019

Time Report Requested: 11:02:35

Lab: Battelle

LEGEND

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

SD – Study Day

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests (unless otherwise noted).

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 $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

**** END OF REPORT ****