

Study Number: I11054

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

C Number:

I11054

Study Gender:

Female

PWG Approval Date

See web page for date of PWG Approval

M04: Hematology

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 09/12/2018

Time Report Requested: 08:57:26

Lab: Burleson Research Technologies

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Females

Treatment Groups (mg/kg)

	0	1	10	30	100
Erythrocyte (x10 ⁶)	10.506 ± 0.230 (7)	10.140 ± 0.102 (5)	10.320 ± 0.122 (6)	10.526 ± 0.170 (7)	10.330 ± 0.174 (6)
Hemoglobin (g/dL)	15.57 ± 0.37 (7)	15.42 ± 0.17 (5)	15.48 ± 0.21 (6)	15.89 ± 0.28 (7)	15.52 ± 0.31 (6)
Hematocrit (%)	51.71 ± 1.36 (7)	50.20 ± 0.65 (5)	50.83 ± 0.63 (6)	52.14 ± 0.99 (7)	51.17 ± 0.94 (6)
MCV (fL)	49.20 ± 0.30 (7) *	49.54 ± 0.45 (5)	49.25 ± 0.11 (6)	49.53 ± 0.20 (7)	49.50 ± 0.17 (6)
MCH (pg)	14.81 ± 0.06 (7) **	15.20 ± 0.13 (5) **	15.00 ± 0.05 (6) *	15.11 ± 0.03 (7) **	15.03 ± 0.11 (6) *
MCHC (g/dL)	30.11 ± 0.16 (7)	30.68 ± 0.13 (5)	30.45 ± 0.06 (6)	30.44 ± 0.12 (7)	30.38 ± 0.11 (6)
Platelets (x10 ³)	984.7 ± 76.0 (7)	979.8 ± 70.5 (5)	951.3 ± 67.1 (6)	961.1 ± 51.0 (7)	1019.8 ± 92.9 (6)
Leukocyte (x10 ³)	5.86 ± 0.81 (7)	7.57 ± 0.84 (5)	6.45 ± 0.37 (6)	4.97 ± 0.56 (7)	5.50 ± 0.52 (6)
Reticulocytes (x10 ³)	339.46 ± 19.10 (7)	324.66 ± 13.67 (5)	332.18 ± 32.86 (6)	343.53 ± 13.09 (7)	334.43 ± 18.47 (6)
Percent Reticulocytes	1.786 ± 0.313 (7)	2.370 ± 0.324 (5)	2.048 ± 0.272 (6)	1.476 ± 0.202 (7)	1.672 ± 0.187 (6)

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Females		
Treatment Groups (mg/kg)		
	300	50 mg/kg CPS
Erythrocyte (x10 ⁶)	10.414 ± 0.268 (7)	8.824 ± 0.073 (7) **
Hemoglobin (g/dL)	15.79 ± 0.39 (7)	13.30 ± 0.08 (7) **
Hematocrit (%)	52.14 ± 1.36 (7)	43.61 ± 0.39 (7) **
MCV (fL)	50.09 ± 0.35 (7)	49.43 ± 0.19 (7)
MCH (pg)	15.17 ± 0.07 (7) **	15.10 ± 0.11 (7) *
MCHC (g/dL)	30.30 ± 0.15 (7)	30.51 ± 0.19 (7)
Platelets (x10 ³)	924.1 ± 85.2 (7)	1087.7 ± 60.3 (7)
Leukocyte (x10 ³)	6.54 ± 1.23 (7)	1.60 ± 0.14 (7) **
Reticulocytes (x10 ³)	330.89 ± 20.74 (7)	70.16 ± 4.58 (7) **
Percent Reticulocytes	1.935 ± 0.293 (7)	2.320 ± 0.220 (7)

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LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

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

Statistical analysis for the positive control group compared to the vehicle control group was performed using the Kruskal-Wallis test.

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

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

MCV - mean corpuscular volume; MCH - mean corpuscular hemoglobin; MCHC - mean corpuscular hemoglobin concentration

CPS = Cyclophosphamide

**** END OF REPORT ****