C Number:	I11054
Study Gender:	Female
PWG Approval Date	See web page for date of PWG Approval

Study Number: I11054
Test Type: TOX
Route: Oral Gavage
Species/Strain: Mouse/B6C3F1/N

M03: Peripheral Blood Leukocyte Cell Differential
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 09/12/2018
Time Report Requested: 10:07:43
Lab: Burleson Research Technologies

Females

	Treatment Groups (mg/kg)						
	0	**1**	**10**	**30**	**100**	**300**	**50 mg/kg CPS**
Leukocytes (10^3/µl)	5.864 ± 0.810 (7)	7.566 ± 0.836 (5)	6.453 ± 0.367 (6)	4.966 ± 0.564 (7)	5.495 ± 0.523 (6)	6.543 ± 1.226 (7)	1.603 ± 0.142 (7) **
Lymphocytes (10^3/µl)	4.839 ± 0.664 (7)	6.314 ± 0.662 (5)	5.107 ± 0.401 (6)	4.114 ± 0.503 (7)	4.493 ± 0.447 (6)	5.211 ± 1.007 (7)	1.380 ± 0.112 (7) **
Neutrophils (10^3/µl)	0.710 ± 0.113 (7)	0.720 ± 0.124 (5)	0.800 ± 0.158 (6)	0.531 ± 0.053 (7)	0.670 ± 0.045 (6)	0.874 ± 0.141 (7)	0.139 ± 0.027 (7) **
Monocytes (10^3/µl)	0.126 ± 0.024 (7)	0.146 ± 0.011 (5)	0.113 ± 0.021 (6)	0.112 ± 0.012 (6)	0.125 ± 0.015 (6)	0.131 ± 0.018 (7)	0.023 ± 0.007 (7) **
Eosinophils (10^3/µl)	0.099 ± 0.016 (7)	0.260 ± 0.043 (5) *	0.338 ± 0.105 (6)	0.129 ± 0.032 (7)	0.153 ± 0.030 (6)	0.187 ± 0.070 (7)	0.036 ± 0.015 (7) *
Basophils (10^3/µl)	0.024 ± 0.004 (7)	0.052 ± 0.023 (5)	0.030 ± 0.005 (6)	0.014 ± 0.003 (7)	0.018 ± 0.005 (6)	0.020 ± 0.006 (6)	0.003 ± 0.002 (7) **
Large Unstained Cells (10^3/µl)	0.074 ± 0.016 (7) **	0.074 ± 0.009 (5)	0.063 ± 0.008 (6)	0.030 ± 0.006 (7) **	0.035 ± 0.003 (6) *	0.045 ± 0.011 (6) *	0.029 ± 0.012 (7) *
Percent Lymphocytes	82.54 ± 0.77 (7) *	83.66 ± 0.87 (5)	78.73 ± 2.73 (6)	82.41 ± 1.07 (7)	81.63 ± 0.74 (6)	79.37 ± 1.07 (7)	86.36 ± 2.63 (7)
Percent Neutrophils	11.93 ± 0.68 (7)	9.30 ± 0.68 (5)	9.68 ± 0.49 (5)	10.96 ± 0.67 (7)	12.42 ± 0.87 (6)	13.86 ± 1.50 (7)	8.30 ± 1.37 (7) *
Percent Monocytes	2.11 ± 0.20 (7)	2.02 ± 0.24 (5)	1.73 ± 0.33 (6)	2.45 ± 0.15 (6)	2.28 ± 0.11 (6)	2.11 ± 0.16 (7)	1.47 ± 0.51 (7)
Percent Eosinophils	1.84 ± 0.31 (7)	3.42 ± 0.36 (5)	5.13 ± 1.48 (6)	2.80 ± 0.71 (7)	2.70 ± 0.28 (6)	3.01 ± 1.21 (7)	2.13 ± 0.85 (7)
Percent Basophils	0.43 ± 0.09 (7)	0.66 ± 0.22 (5)	0.47 ± 0.09 (6)	0.34 ± 0.07 (7)	0.35 ± 0.06 (6)	0.47 ± 0.14 (7)	0.17 ± 0.06 (7) *
Percent Large Unstained Cells	1.20 ± 0.20 (7)	0.96 ± 0.10 (5)	1.03 ± 0.18 (6)	0.69 ± 0.14 (7)	0.65 ± 0.06 (6)	1.19 ± 0.41 (7)	1.64 ± 0.62 (7)

LEGEND

Data are displayed as mean ± 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 <= 0.05

** Statistically significant at P <= 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

Decrease in N for Percent Neutrophils in the 10 mg/kg dose group is due to one animal's value being excluded because it was an outlier.

Decrease in N for Monocytes and Percent Monocytes in the 30 mg/kg dose group is due to one animal's value being excluded because it was an outlier.

Decrease in N for Basophils and Large Unstained Cells in the 300 mg/kg dose group is due to one animal's value being excluded because it was an outlier.

CPS = Cyclophosphamide

** END OF REPORT **