

## M04: Hematology

Study Number: I16011

DTTID: 106-012-003-000-3

Study Type: Immune screening

Species/Strain: Rat/Harlan Sprague Dawley

Test Compound: 2-((1-(4-Phenoxyphenoxy)propan-2-yl)oxy)pyridine

CAS Number: 95737-68-1

DTXSID: DTXSID1032640

Date: 30 Aug 2024

Time: 10:39:34 AM

### Females: Immunopathology

	Treatment Groups					
	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	15 mg/kg CPS
<b>Absolute counts</b>						
Erythrocyte (x10 <sup>6</sup> )	8.061 ± 0.142[12]*	8.148 ± 0.073[12]	7.930 ± 0.086[11]	7.941 ± 0.080[11]	7.835 ± 0.094[12]	7.724 ± 0.104[8]
Hemoglobin (g/dL)	14.75 ± 0.18[12]	14.83 ± 0.10[12]	14.69 ± 0.06[12]	15.07 ± 0.14[11]	14.59 ± 0.18[12]	14.39 ± 0.09[8]*
Hematocrit (%)	46.75 ± 0.52[12]**	47.24 ± 0.31[12]	46.18 ± 0.35[11]	46.39 ± 0.40[11]	45.72 ± 0.66[12]*	45.11 ± 0.54[8]*
MCV (fL)	58.08 ± 0.58[12]	58.01 ± 0.37[12]	58.10 ± 0.33[12]	58.45 ± 0.44[11]	58.33 ± 0.35[12]	58.45 ± 0.41[8]
MCH (pg)	18.32 ± 0.22[12]*	18.20 ± 0.12[12]	18.52 ± 0.19[11]	18.99 ± 0.15[11]	18.62 ± 0.14[12]	18.63 ± 0.21[8]
MCHC (g/dL)	31.53 ± 0.15[12]**	31.35 ± 0.11[12]	31.80 ± 0.25[11]	32.48 ± 0.12[11]*	31.94 ± 0.18[12]*	31.88 ± 0.26[8]
Platelets (x10 <sup>3</sup> )	736.3 ± 40.2[12]	696.3 ± 32.1[12]	784.5 ± 38.1[12]	704.9 ± 48.4[11]	766.8 ± 26.2[12]	664.8 ± 38.1[8]
Leukocyte (x10 <sup>3</sup> )	10.12 ± 0.67[12]	10.54 ± 0.61[12]	11.63 ± 0.84[12]	10.87 ± 0.96[11]	10.59 ± 0.66[12]	2.69 ± 0.24[8]**
Reticulocytes (x10 <sup>3</sup> )	235.43 ± 10.39[12]*	273.82 ± 13.21[12]	253.59 ± 9.70[12]	265.70 ± 10.62[11]	277.88 ± 9.19[12]	15.83 ± 1.90[8]**
<b>Relative counts</b>						
Percent Reticulocytes (%)	2.943 ± 0.162[12]*	3.363 ± 0.163[12]	3.226 ± 0.105[12]	3.345 ± 0.122[11]	3.551 ± 0.119[12]*	0.206 ± 0.024[8]**

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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. The positive control group (15 mg/kg CPS) was excluded from trend test.

Statistical analysis for the positive control group (15 mg/kg CPS) compared to the vehicle control group was performed using the Wilcoxon rank sum test.

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  $P \leq 0.01$

SEM = Standard Error of the Mean

MCV = Mean Corpuscular Volume; MCH = Mean Corpuscular Hemoglobin, MCHC = Mean Cell Hemoglobin Concentration

SD = Study Day

CPS = Cyclophosphamide

Females from the vehicle control and treatment groups were removed on SD 28.

### OUTLIERS

One female value each for Erythrocyte count, Hematocrit, Mean Cell Hemoglobin, and Mean Cell Hemoglobin Concentration in the 125 mg/kg dose group were excluded as outliers.

\*\* END OF REPORT \*\*