

M07: TDAR SRBC: Spleen AFC

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: 10:42:25 AM

Females: SRBC

	Treatment Groups					
	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	15 mg/kg CPS
Spleen Weight (g)	0.632 ± 0.010[12]	0.625 ± 0.024[12]	0.634 ± 0.020[12]	0.631 ± 0.021[12]	0.607 ± 0.025[12]	0.449 ± 0.013[8]**
Spleen Cells (x10 ⁶)	222.90 ± 13.21[12]	217.75 ± 13.67[12]	243.90 ± 16.36[12]	220.00 ± 14.42[12]	218.80 ± 16.27[12]	89.03 ± 4.74[8]**
AFC/10 ⁶ Spleen Cells	596.3 ± 123.9[12]	690.4 ± 135.5[12]	672.4 ± 141.5[12]	768.2 ± 109.1[12]	705.4 ± 69.5[12]	565.7 ± 69.7[8]
AFC/Spleen (x10 ²)	1341.3 ± 319.5[12]	1378.8 ± 208.3[12]	1612.5 ± 358.8[12]	1612.5 ± 217.8[12]	1518.8 ± 168.4[12]	487.5 ± 45.4[8]*

M07: TDAR SRBC: Spleen AFC

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: 10:42:25 AM

LEGEND

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

Statistical analysis was performed by Jonckheere (trend) and then a pairwise test. Williams/Dunnett pairwise tests are used for organ weights, Shirley/Dunn pairwise tests are used for all other endpoints. The positive control group (15 mg/kg CPS) was excluded from the trend test.

Statistical analysis for the positive control group (15 mg/kg CPS) compared to the vehicle control group was performed using a t-test for organ weights and a Wilcoxon rank sum test for all other endpoints.

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 $P \leq 0.01$

TDAR = T-Dependent Antibody Response; SRBC = Sheep Red Blood Cells; AFC = Antibody-Forming Cells

SEM = Standard Error of the Mean

SD = Study Day

CPS = Cyclophosphamide

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

** END OF REPORT **