

## PA06: Organ Weights Summary

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: 10:55:05 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
Terminal Body Weight (g)	245.0 ± 2.7[12]	244.8 ± 2.5[12]	244.0 ± 3.6[12]	245.3 ± 3.0[12]	244.7 ± 2.1[12]	241.5 ± 3.1[8]
<b>Spleen</b>						
Absolute (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]**
Relative (mg/g)	2.58 ± 0.05[12]	2.55 ± 0.09[12]	2.59 ± 0.06[12]	2.57 ± 0.08[12]	2.48 ± 0.10[12]	1.86 ± 0.06[8]**
<b>Thymus</b>						
Absolute (g)	0.321 ± 0.017[12]	0.334 ± 0.012[12]	0.343 ± 0.014[12]	0.336 ± 0.022[12]	0.304 ± 0.010[12]	0.151 ± 0.005[8]**
Relative (mg/g)	1.31 ± 0.07[12]	1.37 ± 0.05[12]	1.41 ± 0.07[12]	1.37 ± 0.08[12]	1.24 ± 0.04[12]	0.62 ± 0.02[8]**

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Females: KLH

	Treatment Groups					
	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	15 mg/kg CPS
Terminal Body Weight (g)	241.3 ± 3.3[12]	248.7 ± 3.7[12]	248.0 ± 3.2[12]	251.6 ± 4.0[12]	244.5 ± 4.3[12]	234.0 ± 2.6[8]
<b>Spleen</b>						
Absolute (g)	0.601 ± 0.017[12]	0.600 ± 0.025[12]	0.610 ± 0.021[12]	0.614 ± 0.020[12]	0.600 ± 0.027[12]	0.371 ± 0.010[8]**
Relative (mg/g)	2.49 ± 0.07[12]	2.41 ± 0.09[12]	2.46 ± 0.09[12]	2.44 ± 0.07[12]	2.45 ± 0.09[12]	1.59 ± 0.04[8]**
<b>Thymus</b>						
Absolute (g)	0.290 ± 0.017[12]	0.322 ± 0.009[12]	0.305 ± 0.013[12]	0.332 ± 0.018[12]	0.299 ± 0.014[12]	0.079 ± 0.007[8]**
Relative (mg/g)	1.20 ± 0.06[12]	1.30 ± 0.03[12]	1.23 ± 0.05[12]	1.32 ± 0.07[12]	1.23 ± 0.06[12]	0.33 ± 0.03[8]**

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Females: KLH Repeat

	Treatment Groups					
	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	15 mg/kg CPS
Terminal Body Weight (g)	248.6 ± 2.8[12]	240.7 ± 3.4[12]	249.3 ± 4.1[12]	238.0 ± 4.4[12]	241.7 ± 4.5[12]	220.6 ± 4.9[8]**
<b>Spleen</b>						
Absolute (g)	0.575 ± 0.016[11]	0.587 ± 0.018[12]	0.606 ± 0.018[12]	0.591 ± 0.018[12]	0.585 ± 0.020[12]	0.334 ± 0.012[8]**
Relative (mg/g)	2.30 ± 0.06[11]	2.44 ± 0.08[12]	2.43 ± 0.07[12]	2.49 ± 0.08[12]	2.42 ± 0.07[12]	1.51 ± 0.04[8]**
<b>Thymus</b>						
Absolute (g)	0.307 ± 0.010[12]	0.345 ± 0.017[12]	0.333 ± 0.010[12]	0.353 ± 0.014[12]	0.339 ± 0.017[12]	0.083 ± 0.008[8]**
Relative (mg/g)	1.23 ± 0.04[12]*	1.44 ± 0.07[12]	1.34 ± 0.03[12]	1.48 ± 0.06[12]*	1.41 ± 0.08[12]	0.38 ± 0.04[8]**

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### Females: Immunophenotyping

	Treatment Groups					
	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	15 mg/kg CPS
Terminal Body Weight (g)	245.1 ± 2.4[12]	246.9 ± 2.4[12]	247.9 ± 3.3[12]	245.6 ± 2.5[12]	248.9 ± 1.9[12]	245.6 ± 4.2[8]
<b>Spleen</b>						
Absolute (g)	0.607 ± 0.011[12]	0.606 ± 0.017[12]	0.561 ± 0.022[12]	0.602 ± 0.027[12]	0.598 ± 0.022[12]	0.411 ± 0.013[8]**
Relative (mg/g)	2.48 ± 0.04[12]	2.46 ± 0.07[12]	2.26 ± 0.08[12]	2.44 ± 0.09[12]	2.40 ± 0.09[12]	1.67 ± 0.04[8]**
<b>Thymus</b>						
Absolute (g)	0.288 ± 0.016[12]	0.336 ± 0.021[12]	0.291 ± 0.015[12]	0.283 ± 0.013[12]	0.293 ± 0.012[12]	0.134 ± 0.011[8]**
Relative (mg/g)	1.18 ± 0.07[12]	1.36 ± 0.09[12]	1.17 ± 0.06[12]	1.15 ± 0.05[12]	1.18 ± 0.05[12]	0.55 ± 0.04[8]**

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Females: CTL

	Treatment Groups					
	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	15 mg/kg CPS
Terminal Body Weight (g)	241.8 ± 4.5[12]	235.7 ± 3.0[12]	238.7 ± 3.0[12]	238.2 ± 2.8[12]	240.6 ± 3.6[12]	221.8 ± 2.6[8]**
<b>Lung</b>						
Absolute (g)	1.80 ± 0.04[12]*	1.81 ± 0.07[12]	1.75 ± 0.04[12]	1.67 ± 0.03[12]	1.72 ± 0.05[12]	1.74 ± 0.05[8]
Relative (mg/g)	7.45 ± 0.18[12]	7.69 ± 0.35[12]	7.33 ± 0.21[12]	7.02 ± 0.14[12]	7.15 ± 0.22[12]	7.83 ± 0.21[8]
<b>Spleen</b>						
Absolute (g)	0.621 ± 0.018[12]*	0.591 ± 0.016[12]	0.588 ± 0.018[12]	0.557 ± 0.013[12]*	0.589 ± 0.022[12]	0.320 ± 0.009[8]**
Relative (mg/g)	2.57 ± 0.07[12]	2.51 ± 0.09[12]	2.46 ± 0.08[12]	2.34 ± 0.07[12]	2.45 ± 0.10[12]	1.44 ± 0.04[8]**
<b>Thymus</b>						
Absolute (g)	0.348 ± 0.013[12]	0.315 ± 0.018[12]	0.311 ± 0.011[12]	0.324 ± 0.011[12]	0.310 ± 0.016[12]	0.140 ± 0.036[8]**
Relative (mg/g)	1.45 ± 0.06[12]	1.34 ± 0.07[12]	1.30 ± 0.04[12]	1.36 ± 0.04[12]	1.29 ± 0.07[12]	0.63 ± 0.16[8]**

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Females: NK

	Treatment Groups					
	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	15 mg/kg CPS
Terminal Body Weight (g)	235.8 ± 2.7[12]	236.1 ± 2.8[12]	229.9 ± 2.1[12]	231.0 ± 2.9[12]	235.7 ± 3.5[12]	224.4 ± 2.5[8]**
<b>Lung</b>						
Absolute (g)	1.63 ± 0.05[12]	1.63 ± 0.03[12]	1.57 ± 0.03[12]	1.61 ± 0.05[12]	1.59 ± 0.04[12]	1.60 ± 0.05[8]
Relative (mg/g)	6.91 ± 0.17[12]	6.90 ± 0.13[12]	6.84 ± 0.14[12]	7.01 ± 0.23[12]	6.78 ± 0.23[12]	7.13 ± 0.21[8]
<b>Spleen</b>						
Absolute (g)	0.623 ± 0.022[12]	0.635 ± 0.014[12]	0.615 ± 0.016[12]	0.567 ± 0.014[12]	0.619 ± 0.019[12]	0.428 ± 0.021[8]**
Relative (mg/g)	2.64 ± 0.08[12]	2.69 ± 0.07[12]	2.68 ± 0.07[12]	2.46 ± 0.06[12]	2.63 ± 0.09[12]	1.91 ± 0.09[8]**
<b>Thymus</b>						
Absolute (g)	0.327 ± 0.015[12]*	0.357 ± 0.017[12]	0.321 ± 0.015[12]	0.317 ± 0.013[12]	0.297 ± 0.010[12]	0.121 ± 0.009[8]**
Relative (mg/g)	1.39 ± 0.06[12]*	1.51 ± 0.05[12]	1.40 ± 0.07[12]	1.37 ± 0.05[12]	1.26 ± 0.05[12]	0.54 ± 0.04[8]**

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### Females: Immunopath

	Treatment Groups					
	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	15 mg/kg CPS
Terminal Body Weight (g)	238.3 ± 2.5[12]	239.0 ± 2.1[12]	242.8 ± 2.2[12]	242.4 ± 2.0[12]	239.4 ± 2.7[12]	233.9 ± 2.4[8]
<b>Adrenal Gland, Right</b>						
Absolute (g)	0.0321 ± 0.0009[12]	0.0333 ± 0.0014[12]	0.0325 ± 0.0012[12]	0.0342 ± 0.0017[12]	0.0351 ± 0.0019[11]	0.0336 ± 0.0009[8]
Relative (mg/g)	0.13 ± 0.00[12]	0.14 ± 0.01[12]	0.13 ± 0.00[12]	0.14 ± 0.01[12]	0.15 ± 0.01[11]	0.14 ± 0.00[8]
<b>Kidney, Right</b>						
Absolute (g)	0.81 ± 0.01[12]	0.83 ± 0.02[12]	0.85 ± 0.01[12]	0.83 ± 0.02[12]	0.82 ± 0.02[12]	0.86 ± 0.02[8]
Relative (mg/g)	3.41 ± 0.03[12]	3.47 ± 0.08[12]	3.50 ± 0.06[12]	3.44 ± 0.05[12]	3.42 ± 0.06[12]	3.65 ± 0.07[8]**
<b>Liver</b>						
Absolute (g)	8.64 ± 0.18[12]**	8.87 ± 0.15[12]	9.52 ± 0.20[12]**	9.59 ± 0.28[12]**	10.17 ± 0.22[12]**	8.33 ± 0.15[8]
Relative (mg/g)	36.24 ± 0.53[12]**	37.10 ± 0.54[12]	39.23 ± 0.78[12]**	39.51 ± 0.96[12]**	42.45 ± 0.68[12]**	35.60 ± 0.56[8]
<b>Lung</b>						
Absolute (g)	2.08 ± 0.03[12]	2.17 ± 0.05[12]	2.06 ± 0.04[12]	2.09 ± 0.04[12]	2.09 ± 0.06[12]	2.10 ± 0.07[8]
Relative (mg/g)	8.74 ± 0.11[12]	9.07 ± 0.21[12]	8.48 ± 0.18[12]	8.64 ± 0.20[12]	8.73 ± 0.25[12]	8.95 ± 0.23[8]
<b>Spleen</b>						
Absolute (g)	0.593 ± 0.020[12]	0.546 ± 0.024[12]	0.599 ± 0.024[12]	0.590 ± 0.014[12]	0.591 ± 0.030[12]	0.387 ± 0.016[8]**
Relative (mg/g)	2.49 ± 0.08[12]	2.29 ± 0.10[12]	2.47 ± 0.11[12]	2.43 ± 0.05[12]	2.46 ± 0.11[12]	1.65 ± 0.06[8]**
<b>Thymus</b>						
Absolute (g)	0.327 ± 0.012[12]	0.326 ± 0.013[12]	0.323 ± 0.011[12]	0.341 ± 0.015[12]	0.327 ± 0.018[12]	0.136 ± 0.008[8]**
Relative (mg/g)	1.37 ± 0.06[12]	1.36 ± 0.05[12]	1.33 ± 0.05[12]	1.41 ± 0.06[12]	1.37 ± 0.07[12]	0.58 ± 0.03[8]**

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### LEGEND

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

Relative organ weights (organ-weight-to-body-weight ratios) are given as mg organ weight/g body weight.

Statistical analysis performed by Jonckheere (trend) and Williams or Dunnett (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 t-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

SD = Study Day

CPS = Cyclophosphamide

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

CTL = Cytotoxic T Lymphocytes; KLH = Keyhole Limpet Hemocyanin; SRBC = Sheep Red Blood Cells; NK = Natural Killer

\*\* END OF REPORT \*\*