

M12: Cytotoxic T Cell Activity

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: 10:48:45 AM

Females: CTL

| | Treatment Groups | | | | | |
|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | 0 mg/kg | 62.5 mg/kg | 125 mg/kg | 250 mg/kg | 500 mg/kg | 15 mg/kg CPS |
| CTL Activity (12.5:1) ^a | 10.92 ± 1.45[12] | 8.38 ± 0.91[12] | 12.25 ± 3.93[12] | 11.58 ± 1.59[12] | 11.95 ± 1.52[12] | 2.35 ± 0.16[8]** |
| CTL Activity (25:1) | 22.63 ± 2.71[12] | 18.65 ± 2.49[12] | 23.49 ± 3.87[12] | 25.54 ± 2.99[12] | 24.76 ± 2.84[12] | 2.69 ± 0.21[8]** |
| CTL Activity (50:1) | 41.95 ± 3.95[12] | 38.06 ± 4.80[12] | 36.89 ± 3.68[12] | 45.47 ± 3.18[12] | 44.73 ± 3.66[12] | 2.77 ± 0.10[8]** |

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LEGEND

Data are displayed as mean \pm SEM (N) of effector: target cell ratio unless otherwise noted.

^aCTL Activity is expressed as % target cell killing calculated as $((\text{Sample Cr}^{51} \text{ Release} - \text{Spontaneous Cr}^{51} \text{ Release}) / (\text{Total Cr}^{51} \text{ Release} - \text{Spontaneous Cr}^{51} \text{ Release})) * 100$

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 $P \leq 0.01$

CTL = Cytotoxic T Lymphocytes

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 **