

## PA06-BMD: Organ Weights Summary

DTTID: 108-020-004-000-5  
 Study Number: 108020004  
 Study Type: 5-Day Toxicity  
 Species/Strain: Rat/Harlan Sprague Dawley

Test Compound: 1,4-Dichlorobenzene  
 CAS Number: 106-46-7  
 DTXSID: DTXSID1020431

Date: 19 Jun 2025  
 Time: 10:10:23 PM

### Female Organ Weight Data and BMD Values

|                              | Treatment Groups (ppm) & BMD Values (ppm) |                 |                 |                 |                 |                   |                   |       | BMD <sub>1Std</sub> | BMDL <sub>1Std</sub> |
|------------------------------|---|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------|---------------------|----------------------|
|                              | 0   | 1               | 10              | 50              | 150             | 400               | 800               |       |                     |                      |
| Kidney-Left Absolute (g)     | 0.62 ± 0.01[10]**                         | 0.62 ± 0.02[5]  | 0.62 ± 0.02[5]  | 0.62 ± 0.01[5]  | 0.63 ± 0.02[5]  | 0.67 ± 0.00[5]*   | 0.68 ± 0.03[5]*   | 259.8 | 93.3                |                      |
| Kidney-Left Relative (mg/g)  | 3.14 ± 0.06[10]**                         | 3.29 ± 0.08[5]  | 3.20 ± 0.09[5]  | 3.15 ± 0.05[5]  | 3.27 ± 0.11[5]  | 3.53 ± 0.05[5]**  | 3.52 ± 0.15[5]**  | 219.2 | 89.4                |                      |
| Kidney-Right Relative (mg/g) | 3.22 ± 0.06[10]*                          | 3.39 ± 0.08[5]  | 3.35 ± 0.07[5]  | 3.23 ± 0.06[5]  | 3.38 ± 0.13[5]  | 3.62 ± 0.09[5]**  | 3.47 ± 0.13[5]    | NVM   | NVM                 |                      |
| Liver Weight Absolute (g)    | 7.40 ± 0.18[10]**                         | 7.29 ± 0.33[5]  | 7.25 ± 0.25[5]  | 7.73 ± 0.13[5]  | 7.43 ± 0.29[5]  | 8.68 ± 0.27[5]**  | 11.50 ± 0.40[5]** | 245.5 | 163.4               |                      |
| Liver Weight Relative (mg/g) | 37.51 ± 0.75[10]**                        | 38.60 ± 0.90[5] | 37.46 ± 0.77[5] | 39.38 ± 0.97[5] | 38.54 ± 0.60[5] | 45.81 ± 1.42[5]** | 59.64 ± 2.21[5]** | 191.4 | 127.6               |                      |
| Terminal Body Weight (g)     | 197.3 ± 4.0[10]                           | 188.6 ± 5.2[5]  | 193.5 ± 5.4[5]  | 196.6 ± 3.0[5]  | 192.5 ± 5.8[5]  | 189.5 ± 2.7[5]    | 193.0 ± 2.6[5]    | ND    | ND                  |                      |

Data are displayed as mean ± 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.

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 ≤ 0.05

\*\* Statistically significant at p ≤ 0.01

Females from the control and treatment groups were removed on Study Day 5.

BMD<sub>1Std</sub> and BMDL<sub>1Std</sub>: Benchmark response (BMR) set at 1 standard deviation from the mean.

NVM = no viable model

ND = not determined

\*\* END OF REPORT \*\*