### Male Hormone Summary

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Endpoint** | 0.0 mg/kgN = 9 | 0.15 mg/kgN = 5 | 0.5 mg/kgN = 5 | 1.4 mg/kgN = 4 | 4.0 mg/kgN = 4 | 12.0 mg/kgN = 5 | 37.0 mg/kgN = 5 | 111.0 mg/kgN = 4 | 333.0 mg/kgN = 4 | 1000.0 mg/kgN = 1 | BMD1Std (mg/kg) | BMDL1Std (mg/kg) |
| Triiodothyronine (ng/dL) | 49.244 ± 2.130\*\* | 51.720 ± 1.832 | 56.580 ± 4.871 | 47.650 ± 0.999 | 44.975 ± 1.527 | 34.920 ± 2.801\*\* | 31.960 ± 2.646\*\* | 33.025 ± 0.999\*\* | 33.150 ± 4.547\*\* | 27.600  | 0.462 | 0.245 |
| Free Thyroxine (ng/dL) | 6.761 ± 0.817\*\* | 5.864 ± 0.686 | 6.680 ± 0.316 | 5.755 ± 0.496 | 6.410 ± 0.393 | 4.982 ± 0.435 | 5.726 ± 0.661 | 5.115 ± 0.301 | 4.363 ± 0.424\*\* | 3.780  | NVM | NVM |
| Total Thyroxine (ug/dL) | 2.71 ± 0.16\*\* | 2.47 ± 0.26 | 2.57 ± 0.30 | 2.52 ± 0.14 | 1.58 ± 0.16\*\* | 1.01 ± 0.07\*\* | 0.93 ± 0.10\*\* | 0.66 ± 0.04\*\* | 0.50 ± 0.02\*\* | 0.66  | 3.19 | 1.774 |

### Female Hormone Summary

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Endpoint** | 0.0 mg/kgN = 9 | 0.15 mg/kgN = 4 | 0.5 mg/kgN = 3 | 1.4 mg/kgN = 4 | 4.0 mg/kgN = 5 | 12.0 mg/kgN = 4 | 37.0 mg/kgN = 5 | 111.0 mg/kgN = 5 | 333.0 mg/kgN = 4 | 1000.0 mg/kgN = 5 | BMD1Std (mg/kg) | BMDL1Std (mg/kg) |
| Thyroid Stimulating Hormone (ng/mL) | 3.122 ± 0.371\*\* | 3.400 ± 1.013 | 2.800 ± 0.551 | 2.425 ± 0.375 | 3.020 ± 0.475 | 3.400 ± 0.826 | 2.540 ± 0.367 | 4.480 ± 0.388 | 3.775 ± 1.150 | 6.900 ± 0.933\*\* | 356.61 | 268.917 |
| Triiodothyronine (ng/dL) | 66.000 ± 3.455\*\* | 58.825 ± 1.727 | 66.900 ± 4.891 | 59.825 ± 4.950 | 61.540 ± 4.315 | 62.700 ± 4.457 | 63.740 ± 2.761 | 59.040 ± 2.090 | 42.425 ± 2.062\*\* | 31.060 ± 1.857\*\* | 161.48 | 122.215 |
| Total Thyroxine (ug/dL) | 3.12 ± 0.29\*\* | 2.83 ± 0.43 | 2.31 ± 0.08 | 2.64 ± 0.43 | 2.76 ± 0.11 | 2.79 ± 0.16 | 2.31 ± 0.22 | 2.64 ± 0.26 | 1.20 ± 0.18\*\* | 0.86 ± 0.14\*\* | NVM | NVM |

Data are displayed as mean ± SEM (N) of animals that survived to study termination unless otherwise noted.

Statistical analysis were performed by Jonckheere (trend) and Shirley or Dunn (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

Only one animal in the male highest dose group so it was excluded from stats and BMD calculation.

BMD1Std and BMDL1Std: Benchmark response (BMR) set at 1 standard deviation from the mean.

NVM = no viable model