Table 4. Benchmark dose modeling (% cedarwood) of the final mean bodyweights of male and female F344 rats and B6C3F1/N mice dermally administered cedarwood oil for 13 weeks.

| Species | Sex | Model | AICa | GOFb | BMD10RDc | BMDL10RDd |
| --- | --- | --- | --- | --- | --- | --- |
| F344N Rats | Female | Exponential (M2) | 360.5 | 0.575 | 95.3 | 69.9 |
|  |  | Exponential (M4) | 361.5 | 0.601 | 89.1 | 44.7 |
|  |  | Exponential (M5) | 362.3 | 0.699 |  |  |
|  |  | Linear | 360.7 | 0.547 | 96.2 | 71.8 |
|  |  | Polynomial 2° | 360.7 | 0.547 | 96.2 | 71.8 |
|  | Male | Exponential (M2) | 417.1 | 0.307 | 68.3 | 49.6 |
|  |  | Exponential (M4) | 415.8 | 0.694 | 49.6 | 22.2 |
|  |  | Exponential (M5) | 415.8 | 0.694 | 49.6 | 20.2 |
|  |  | Hill | 417.4 | 0.524 | 53.5 | 22.3 |
|  |  | Power | 417.4 | 0.282 | 70.2 | 52.2 |
|  |  | Linear | 417.4 | 0.282 | 70.2 | 52.2 |
| B6C3F1/N Mice | Female | Exponential (M2) | 296.7 | 0.762 | 31.7 | 11.4 |
|  |  | Exponential (M3) | 296.7 | 0.762 | 31.7 | 11.4 |
|  |  | Exponential (M4) | 298.0 | 0.796 | 9.06 | 0.0273 |
|  |  | Exponential (M5) | 299.7 | 0.695 | 11.2 | 0.0497 |
|  |  | Hill | 299.7 | 0.686 | 11.0 | 5.00E-14 |
|  |  | Power | 296.8 | 0.750 | 34.1 | 13.9 |
|  |  | Linear | 296.8 | 0.750 | 34.1 | 13.9 |
|  | Male | Exponential (M2) | 141.2 | 0.656 | 34.7 | 25.8 |
|  |  | Exponential (M4) | 141.9 | 0.845 | 25.8 | 13.3 |
|  |  | Exponential (M5) | 143.6 | 0.835 | 24.7 | 13.7 |
|  |  | Hill | 143.6 | 0.769 | 25.2 | 13.4 |
|  |  | Linear | 141.4 | 0.597 | 35.8 | 27.3 |

a AIC – Akaike information criterion

b GOF – goodness of fit p-value

c BMD – benchmark dose (% cedarwood oil)

d BMDL – lower 95% confidence limit of benchmark dose (% cedarwood oil)