Table 1. Survival and body weights of F344/N Rats and B6C3F1/N Mice in the 90 day dermal study of cedarwood oil.

|  |  | Mean bw (g) |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Dose (%) | Survivala | Initial | Final | Change | Final weight relative to controls (%)b |
| **Female Rats** |  |  |  |  |  |
| Untreated Control | 10/10 | 102 ± 1c | 200 ± 4 | 98 ± 4 |  |
| Vehicle Control | 10/10 | 103 ± 2 | 197 ± 2 | 94 ± 2 |  |
| 6.25 | 10/10 | 102 ± 2 | 199 ± 4 | 97 ± 3 | 101 |
| 12.5 | 10/10 | 103 ± 1 | 194 ± 5 | 91 ± 4 | 98 |
| 25 | 10/10 | 102 ± 1 | 193 ± 4 | 91 ± 3 | 98 |
| 50 | 10/10 | 102 ± 1 | 182 ± 4\* | 80 ± 3\*\* | 92 |
| 100 | 10/10 | 102 ± 2 | 179 ± 3†† | 78 ± 3†† | 90 |
| **Male Rats** |  |  |  |  |  |
| Untreated Control | 10/10 | 113 ± 2 | 323 ± 4 | 209 ± 3 |  |
| Vehicle Control | 10/10 | 114 ± 2 | 329 ± 4 | 215 ± 4 |  |
| 6.25 | 10/10 | 114 ± 2 | 318 ± 5 | 204 ± 4 | 97 |
| 12.5 | 10/10 | 113 ± 2 | 316 ± 6 | 203 ± 5 | 96 |
| 25 | 10/10 | 114 ± 2 | 308 ± 10 | 195 ± 8\* | 94 |
| 50 | 10/10 | 113 ± 2 | 301 ± 8\* | 188 ± 8\*\* | 92 |
| 100 | 8/10d | 115 ± 2 | 279 ± 7†† | 166 ± 7†† | 87 |
| **Female Mice** |  |  |  |  |  |
| Untreated Control | 10/10 | 18.1 ± 0.2 | 34.9 ± 0.9 | 16.8 ± 0.9 |  |
| Vehicle Control | 10/10 | 17.8 ± 0.3 | 34.7 ± 1.1 | 16.9 ± 1.0 |  |
| 6.25 | 10/10 | 18.0 ± 0.4 | 34.0 ± 0.9 | 16.1 ± 0.7 | 98 |
| 12.5 | 10/10 | 17.9 ± 0.2 | 30.5 ± 0.7\*\* | 12.6 ± 0.7\*\* | 88 |
| 25 | 10/10 | 17.8 ± 0.5 | 28.1 ± 0.6\*\* | 10.3 ± 0.6\*\* | 81 |
| 50 | 9/10e | 18.3 ± 0.4 | 30.2 ± 0.4\*\* | 11.9 ± 0.5\*\* | 87 |
| 100 | 0/10f | --- | --- | --- | --- |
| **Male Mice** |  |  |  |  |  |
| Untreated Control | 10/10 | 21.9 ± 0.4 | 39.7 ± 1.3 | 17.8 ± 1.1 |  |
| Vehicle Control | 10/10 | 21.7 ± 0.3 | 36.9 ± 0.8 | 15.2 ± 0.6 |  |
| 6.25 | 10/10 | 21.7 ± 0.3 | 36.0 ± 0.6 | 14.4 ± 0.5 | 98 |
| 12.5 | 9/10d | 22.1 ± 0.4 | 35.1 ± 1.1  | 13.1 ± 0.9\* | 95 |
| 25 | 10/10 | 22.1 ± 0.5 | 33.1 ± 0.9\*\* | 11.0 ± 0.7\*\* | 90 |
| 50 | 9/10e | 22.1 ± 0.4 | 31.9 ± 0.7\*\* | 9.7 ± 0.6\*\* | 86 |
| 100 | 0/10f | --- | --- | --- | --- |

\* Significantly different (P≤0.05) from the vehicle control group by Williams’ or Dunnett’s test

\*\* P≤0.01

†† Significantly different (P≤0.05) from the untreated control group by a *t*-test

a Number of animals surviving at 14 weeks/number initially in group

b Dosed groups are compared to the vehicle control groups, except 100% groups are compared to the untreated control groups

c Weights and weight changes are given as mean ± standard error

d Week of death: 12

e Week of death: 11

f Due to severity of skin lesions, all 100% mice were euthanized during week 10