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| **SS-4OHT Pilot** |
| **Diluting 4OHT for *in vivo* injections** |
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| 1. Dilute 4OHT in 100% EtOH (either 10mg/mL or 20mg/mL, depending on desired dose) |
| 2. Add kolliphor in same volume as EtOH |
| 3. Vortex, then heat with vortexing for up to 3 hours until **all EtOH has evaporated** |
| 4. Dilute 4x by volume with PBS; vortex |
| 5. Inject 0.01mL per gram bodyweight of mouse |

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| Mouse Weight (g) | Dose (mg/kg) | Conc. in final solution (mg/mL) | Total mg 4OHT | Volume EtOH used (and fully evaporated) | Volume Kolliphor used | Volume PBS used  (uL) | Total volume injected (uL) |
| 20 | 100 | 10 | 2.0 | 40 | 40 | 160 | 200 |
| 22 | 100 | 10 | 2.2 | 44 | 44 | 176 | 220 |
| 23 | 100 | 10 | 2.3 | 46 | 46 | 184 | 230 |
| 24 | 100 | 10 | 2.4 | 48 | 48 | 192 | 240 |
| 25 | 100 | 10 | 2.5 | 50 | 50 | 200 | 250 |
| 26 | 100 | 10 | 2.6 | 52 | 52 | 208 | 260 |
| 27 | 100 | 10 | 2.7 | 54 | 54 | 216 | 270 |
| 28 | 100 | 10 | 2.8 | 56 | 56 | 224 | 280 |
| 29 | 100 | 10 | 2.9 | 58 | 58 | 232 | 290 |
| 30 | 100 | 10 | 3 | 60 | 60 | 240 | 300 |
| 22 | 50 | 5 | 1.1 | 44 | 44 | 176 | 220 |
| 23 | 50 | 5 | 1.15 | 46 | 46 | 184 | 230 |
| 24 | 50 | 5 | 1.2 | 48 | 48 | 192 | 240 |
| 25 | 50 | 5 | 1.25 | 50 | 50 | 200 | 250 |
| 26 | 50 | 5 | 1.3 | 53 | 53 | 208 | 260 |
| 27 | 50 | 5 | 1.35 | 54 | 54 | 216 | 270 |
| 28 | 50 | 5 | 1.4 | 56 | 56 | 224 | 280 |
| 29 | 50 | 5 | 1.45 | 58 | 58 | 232 | 290 |
| 30 | 50 | 5 | 1.5 | 60 | 60 | 240 | 300 |