10 mg/ml stock

1. Add 40 mg 4-OHT (Sigma) to a 15 ml conical tube.
2. Add 400 μl of 100% EtOH.
3. Vortex.
4. Add 3.6 ml corn oil.
5. Vortex.
6. Use ultrasonic homogenizer to get 4-OHT into solution. \*\*Do not allow solution to heat and turn cloudy. If solution turns cloudy, dispose.
7. Place in -4°C fridge overnight.
8. Next day may require vortex or homogenization.

It is probably stable for 4-5 d at 4°C, but I usually only use it for 1-2 days.

i.p. injection: 2 mg TAM = 200 l of 10 mg/ml stock

Notes

1. For ArcCreERT2 x R26R-floxed-STOP-EYFP Mice, one injection of 2 mg TAM is sufficient.
2. For other lines using the R26R reporter line, 1-2 d of multiple injections is sufficient.
3. Remember to use 26G 3/8 needle, as the 4-OHT will leak out with larger needles.