**Clozapine-N-Oxide (CNO): How-to (Rebecca/Kaitlyn)**

1. Make CNO fresh; ideally the day of your experiment
2. Weigh out dry 1.2mg CNO for 2mL of total drug solution
3. Add CNO to 10uL DMSO (10%) and vortex until translucent
4. Add 1990uL sterile saline for a total volume of 2mL
5. Vortex to dissolve in solution
6. *Notes:* 
   1. \* This makes 0.6mg/mL solution (0.6mg CNO/1mL solution)
   2. \* 1 mg/kg dose of this solution is 0.05mL dose → we usually do 3 mg/kg → multiply by 3 (0.15mL)
   3. \* Estimated = 10 mice x approx 0.2mL = 2mL prepped drug (2000uL)
7. *Dosing Scale:*

| Weight (g) | Dose (mL)  1 mg/kg | Estimated Dose  1 mg/kg | Estimated Dose  3 mg/kg |
| --- | --- | --- | --- |
| 20 | 0.0333333333 | 0.03 | 0.09 |
| 21 | 0.035 | 0.035 | 0.105 |
| 22 | 0.0366666667 | 0.035 | 0.105 |
| 23 | 0.0383333333 | 0.038 | 0.114 |
| 24 | 0.04 | 0.04 | 0.12 |
| 25 | 0.0416666667 | 0.04 | 0.12 |
| 26 | 0.043333333 | 0.04 | 0.12 |
| 27 | 0.045 | 0.045 | 0.136 |
| 28 | 0.046666667 | 0.046 | 0.138 |
| 29 | 0.048333333 | 0.048 | 0.144 |
| 30 | 0.05 | 0.05 | 0.15 |
| 31 | 0.051666667 | 0.05 | 0.15 |
| 32 | 0.053333333 | 0.05 | 0.15 |
| 33 | 0.055 | 0.055 | 0.165 |
| 34 | 0.056666667 | 0.056 | 0.168 |
| 35 | 0.058333333 | 0.058 | 0.174 |
| 36 | 0.06 | 0.06 | 0.18 |
| 37 | 0.06166666667 | 0.06 | 0.18 |
| 38 | 0.06333333333 | 0.06 | 0.18 |