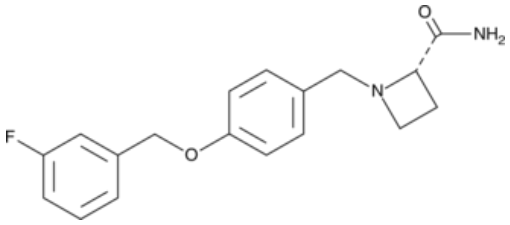
# Product Data Sheet

Product Name: C3
Cat. No.: GC49573

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 2286257-25-6 | | |
| SMILES | NC([C@H](CC1)N1CC2=CC=C(C=C2)OCC3=CC(F)=CC=C3)=O | | |
| Formula | C18H19FN2O2 | M.Wt | 314.4 |
| Solubility | DMF: 15 mg/ml,DMSO: 2 mg/ml,Ethanol: 2 mg/ml | Storage | -20°C |
| General tips | For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months. | | |
| Shipping Condition | Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request. | | |

Structure




## Background

C3 is an inhibitor of monoamine oxidase B (MAO-B; $IC_{50}$ = 0.021 µM).[1] It is selective for MAO-B over MAO-A ($IC_{50}$ = 26.8 µM). C3 (0.1, 1, and 3 mg/kg) prevents MPTP-induced decreases in brain dopamine levels in mice.

1.Jin, C.-F., Wang, Z.-Z., Chen, K.-Z., et al.Computational fragment-based design facilitates discovery of potent and selective monoamine oxidase-B (MAO-B) inhibitorJ. Med. Chem.63(23)15021-15036(2020)

***Caution: Product has not been fully validated for medical applications. For research use only.***
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