

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

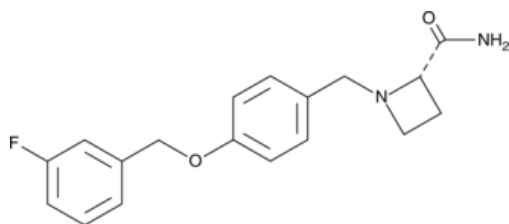
Formula C₁₈H₁₉FN₂O₂ M.Wt 314.4

Solubility DMF: 15 mg/ml, DMSO: 2 mg/ml, Ethanol: 2 mg/ml
Storage -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution: ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

C3 is an inhibitor of monoamine oxidase B (MAO-B; IC₅₀ = 0.021 μM).¹ It is selective for MAO-B over MAO-A (IC₅₀ = 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) inhibitor. J. Med. Chem. 63(23):15021-15036 (2020)

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA