

Product Data Sheet

Product Name: VU0650786

Cat. No.: GC34859

Chemical Properties

Cas. No. 1809085-30-0

SMILES C1C=CN=C(OCC2=NN([C@H](C)CN(C3=C(F)N=CC=C3)C4=O)C4=C2)C=C1

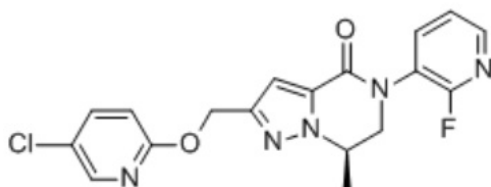
Formula $C_{18}H_{15}ClFN_5O_2$ M.Wt 387.8

Solubility DMSO : 250 mg/mL (644.66 mM); Water : < 0.1 mg/mL (insoluble) Storage Store at -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

VU0650786 is a potent and selective CNS penetrant negative allosteric modulator of metabotropic glutamate receptor subtype 3 (mGlu3), with an IC₅₀ of 392 nM. VU0650786 has antidepressant and anxiolytic activity in rodents[1]. mGluR3|392 nM (IC₅₀)

[1]. Engers JL, et al. Discovery of a Selective and CNS Penetrant Negative Allosteric Modulator of Metabotropic Glutamate Receptor Subtype 3 with Antidepressant and Anxiolytic Activity in Rodents.

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

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