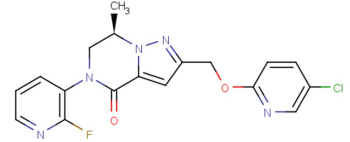


Data Sheet (Cat.No.T13318)

VU0650786

Chemical Properties

CAS No.:	1809085-30-0
Formula:	C ₁₈ H ₁₅ ClFN ₅ O ₂
Molecular Weight:	387.8
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	VU0650786 is a selective and potent CNS penetrant negative allosteric modulator of metabotropic glutamate receptor subtype 3 (mGlu3 NAM) (IC ₅₀ : 392 nM), with antidepressant and anxiolytic activity in rodents.
Targets(IC ₅₀)	mGluR3: 392 nM

Solubility Information

Solubility	DMSO: 250 mg/mL (644.66 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.579 mL	12.893 mL	25.786 mL
5 mM	0.516 mL	2.579 mL	5.157 mL
10 mM	0.258 mL	1.289 mL	2.579 mL
50 mM	0.052 mL	0.258 mL	0.516 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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. *J Med Chem.* 2015 Sep 24;58(18):7485-500.

Inhibitors · Natural Compounds · Compound Libraries

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