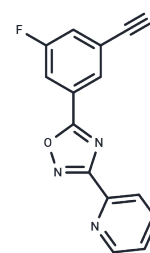


VU 0285683

Chemical Properties

CAS No. : 327056-22-4
 Formula: C₁₄H₇FN₄O
 Molecular Weight: 266.23
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	VU 0285683 is a specific negative allosteric modulator of mGluR5 with a high affinity for the MPEP binding site. VU 0285683 shows anxiolytic-like activity.
Targets(IC50)	GluR

Solubility Information

Solubility	Ethanol: 6 mg/mL (22.54 mM),Sonication is recommended. DMSO: 9 mg/mL (33.81 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7562 mL	18.7808 mL	37.5615 mL
5 mM	0.7512 mL	3.7562 mL	7.5123 mL
10 mM	0.3756 mL	1.8781 mL	3.7562 mL
50 mM	0.0751 mL	0.3756 mL	0.7512 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Rodriguez AL, et al. Discovery of novel allosteric modulators of metabotropic glutamate receptor subtype 5 reveals chemical and functional diversity and in vivo activity in rat behavioral models of anxiolytic and antipsychotic activity. Mol Pharmacol. 2010 Dec;78(6):1105-23.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481