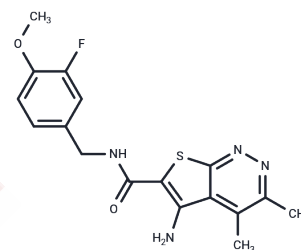


VU0467485

Chemical Properties

CAS No. : 1451994-10-7
 Formula: C17H17FN4O2S
 Molecular Weight: 360.41
 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	VU0467485 is a potent and highly selective M4 mAChR positive allosteric modulator (PAM). It enhances receptor response to acetylcholine, used for schizophrenia and cognitive research.
Targets(IC50)	AChR
In vivo	Oral VU0467485 (1-10 mg/kg) reversed amphetamine-induced hyperlocomotion in rats; PK reveals a t1/2 of ~4.2 h [1].

Solubility Information

Solubility	DMSO: 16 mg/mL (44.39 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	2.7746 mL	13.8731 mL	27.7462 mL
5 mM	0.5549 mL	2.7746 mL	5.5492 mL
10 mM	0.2775 mL	1.3873 mL	2.7746 mL
50 mM	0.0555 mL	0.2775 mL	0.5549 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

Jozkowicz A, et al. Heme oxygenase-1 in tumors: is it a false friend?. Antioxid Redox Signal. 2007;9(12):2099-2117.

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