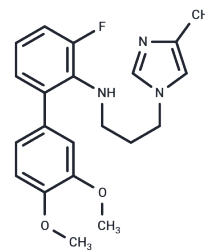


Glutaminyl Cyclase Inhibitor 1

Chemical Properties

CAS No. :	2110449-60-8
Formula:	C ₂₁ H ₂₄ FN ₃ O ₂
Molecular Weight:	369.43
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Glutaminyl Cyclase Inhibitor 1, a glutaminyl cyclase inhibitor with an IC ₅₀ of 0.5 μM, can be utilized for studying neurological disorders.
Targets(IC ₅₀)	Glutaminyl Cyclase
In vitro	Glutaminyl Cyclase Inhibitor 1 is a glutaminyl cyclase inhibitor with an IC ₅₀ of 0.5 μM[1].

Solubility Information

Solubility	Ethanol: 80 mg/mL (216.55 mM), Sonication is recommended. DMSO: 50 mg/mL (135.34 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	2.7069 mL	13.5344 mL	27.0687 mL
5 mM	0.5414 mL	2.7069 mL	5.4137 mL
10 mM	0.2707 mL	1.3534 mL	2.7069 mL
50 mM	0.0541 mL	0.2707 mL	0.5414 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.

Reference

Li M, et al. Synthesis and Evaluation of Diphenyl Conjugated Imidazole Derivatives as Potential Glutaminyl Cyclase Inhibitors for Treatment of Alzheimer's Disease. J Med Chem. 2017 Aug 10;60(15):6664-6677.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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