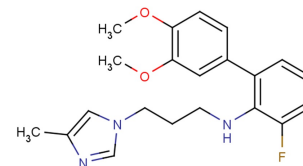


## Data Sheet (Cat.No.T11424)

### Glutaminyl Cyclase Inhibitor 1

#### Chemical Properties

CAS No.:	2110449-60-8
Formula:	C <sub>21</sub> H <sub>24</sub> FN <sub>3</sub> O <sub>2</sub>
Molecular Weight:	369.43
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



#### Biological Description

Description	Glutaminyl Cyclase Inhibitor 1 is a glutaminyl cyclase inhibitor (IC <sub>50</sub> : 0.5 μM).
Targets(IC <sub>50</sub> )	Glutaminyl cyclase: 0.5 μM
In vitro	Glutaminyl Cyclase Inhibitor 1 is compound .

#### Solubility Information

Solubility	DMSO: 83.33 mg/mL (225.56 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.707 mL	13.534 mL	27.069 mL
5 mM	0.541 mL	2.707 mL	5.414 mL
10 mM	0.271 mL	1.353 mL	2.707 mL
50 mM	0.054 mL	0.271 mL	0.541 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. 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.

Inhibitors · Natural Compounds · Compound Libraries

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