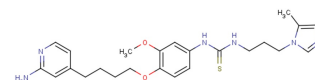


Glutaminyl Cyclase Inhibitor 3

Chemical Properties

CAS No.:	2092921-50-9
Formula:	C ₂₄ H ₃₂ N ₆ O ₂ S
Molecular Weight:	468.61
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 3, a designed anti-Alzheimer's compound, is a potent human Glutaminyl Cyclase (GC) inhibitor (IC ₅₀ : 4.5 nM). It significantly reduced the brain concentrations of pyroform A β and total A β and restored cognitive functions.
Targets(IC ₅₀)	hGC: 4.5 nM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.134 mL	10.67 mL	21.34 mL
5 mM	0.427 mL	2.134 mL	4.268 mL
10 mM	0.213 mL	1.067 mL	2.134 mL
50 mM	0.043 mL	0.213 mL	0.427 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. Hoang VH, et al. Discovery of Potent Human Glutaminyl Cyclase Inhibitors as Anti-Alzheimer's Agents Based on Rational Design. J Med Chem. 2017 Mar 23;60(6):2573-2590.

Inhibitors · Natural Compounds · Compound Libraries

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