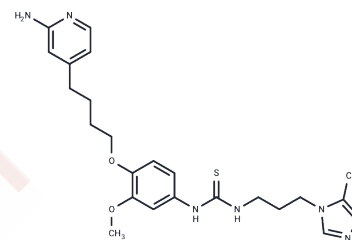


Glutaminyl Cyclase Inhibitor 3

Chemical Properties

CAS No. :	2092921-50-9
Formula:	C ₂₄ H ₃₂ N ₆ O ₂ S
Molecular Weight:	468.61
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	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)	Beta Amyloid, Glutaminyl Cyclase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.134 mL	10.6699 mL	21.3397 mL
5 mM	0.4268 mL	2.134 mL	4.2679 mL
10 mM	0.2134 mL	1.067 mL	2.134 mL
50 mM	0.0427 mL	0.2134 mL	0.4268 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

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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