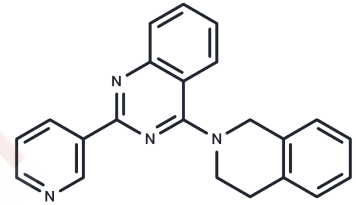


GCCase modulator-1

Chemical Properties

CAS No. :	796079-91-9
Formula:	C ₂₂ H ₁₈ N ₄
Molecular Weight:	338.41
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	GCCase modulator-1 is an effective allosteric glucocerebrosidase (GCCase) activator. It enhances lysosomal GCCase activity to promote substrate clearance in Gaucher's and Parkinson's research.
Targets(IC50)	Glucokinase
In vitro	GCCase modulator-1 activates recombinant human GCCase (AC50 = 2.23 uM), converting quinazoline modulators from inhibitors into activators [1].

Solubility Information

Solubility	DMSO: 16 mg/mL (47.28 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	2.955 mL	14.775 mL	29.550 mL
5 mM	0.591 mL	2.955 mL	5.910 mL
10 mM	0.2955 mL	1.4775 mL	2.955 mL
50 mM	0.0591 mL	0.2955 mL	0.591 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

Van Slooten AR, et al. L-NIO as a novel mechanism for inducing focal cerebral ischemia in the adult rat brain. J Neurosci Methods. 2015 Apr 30;245:44-57.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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