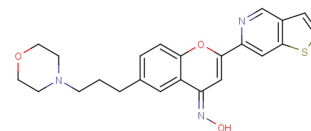


Foliglurax

Chemical Properties

CAS No.:	1883329-51-8
Formula:	C23H23N3O3S
Molecular Weight:	421.51
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Foliglurax is a highly selective brain-penetrant metabotropic glutamate receptor 4 positive allosteric modulator (mGluR4 PAM) (EC50: 79 nM).
Targets(IC ₅₀)	mGlu4: 79 nM (EC50)
In vitro	Foliglurax is a highly selective and potent mGlu4 receptor PAM. It has a marked brain-penetrance feature, which might revolutionize the field of mGlu4 receptor drug targeting in CNS disorders [2].

Solubility Information

Solubility	DMSO: 5.2 mg/mL (12.34 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.372 mL	11.862 mL	23.724 mL
5 mM	0.474 mL	2.372 mL	4.745 mL
10 mM	0.237 mL	1.186 mL	2.372 mL
50 mM	0.047 mL	0.237 mL	0.474 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

- Charvin D, et al. Discovery, Structure-Activity Relationship, and Antiparkinsonian Effect of a Potent and Brain-Penetrant Chemical Series of Positive Allosteric Modulators of Metabotropic Glutamate Receptor 4. J Med Chem. 2017 Oct 26;60(20):8515-8537.
- Volpi C, et al. Opportunities and challenges in drug discovery targeting metabotropic glutamate receptor 4. Expert Opin Drug Discov. 2018 May;13(5):411-423.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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