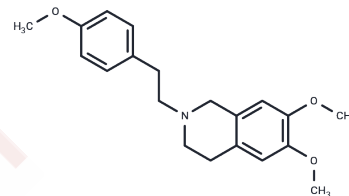


Antidepressant agent 5

Chemical Properties

CAS No. :	1071049-42-7
Formula:	C ₂₀ H ₂₅ NO ₃
Molecular Weight:	327.42
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	Antidepressant agent 5 is a 7-substituted tetrahydroisoquinoline derivative with antidepressant activity. Antidepressant agent 5 acts similarly to magnoflorine in the study of depression and can be used for the prevention and treatment of depressive disorders.
Targets(IC50)	Others, Monoamine Oxidase

Solubility Information

Solubility	DMSO: 55 mg/mL (167.98 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	3.0542 mL	15.2709 mL	30.5418 mL
5 mM	0.6108 mL	3.0542 mL	6.1084 mL
10 mM	0.3054 mL	1.5271 mL	3.0542 mL
50 mM	0.0611 mL	0.3054 mL	0.6108 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

Wei X, et al. Design, synthesis, and biological evaluation of THIQ as antidepressive agents. Bioorg Med Chem Lett. 2023 Sep 7;95:129470.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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