

Rapastinel

Chemical Properties

CAS No. : 117928-94-6

Formula: C₁₈H₃₁N₅O₆

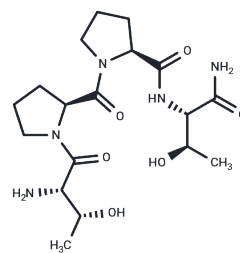
Molecular Weight: 413.47

Storage:

Keep away from direct sunlight, Store under nitrogen,
Store at low temperature

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	Rapastinel (TPPT-amide) (GLYX-13) is an N-methyl-D-aspartate receptor (NMDAR) modulator.
Targets(IC50)	NMDAR,iGluR

Solubility Information

Solubility	DMSO: 32 mg/mL (77.39 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	2.4186 mL	12.0928 mL	24.1856 mL
5 mM	0.4837 mL	2.4186 mL	4.8371 mL
10 mM	0.2419 mL	1.2093 mL	2.4186 mL
50 mM	0.0484 mL	0.2419 mL	0.4837 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

Burgdorf J, et al. Neuroscience. 2015 Nov 12;308:202-11.

Zheng F, Ke J, Lin S, et al. Discovery of cyanidin-3-O-galactoside as a novel CNT2 inhibitor for the treatment of hyperuricemia. Bioorganic Chemistry. 2024: 108108.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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