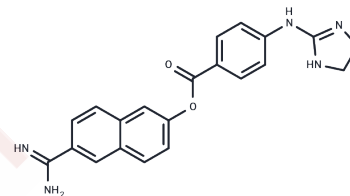


Sepimostat

Chemical Properties

CAS No. :	103926-64-3
Formula:	C ₂₁ H ₁₉ N ₅ O ₂
Molecular Weight:	373.41
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	Sepimostat exhibits neuroprotective activity via NR2B N-methyl-D-aspartate receptor antagonism at the Ifenprodil-binding site of the NR2B subunit. Sepimostat dimethanesulfonate inhibits the Ifenprodil binding with a K_i value of 27.7 μ M.
Targets(IC50)	iGluR

Solubility Information

Solubility	DMSO: 6.25 mg/mL (16.74 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	2.678 mL	13.3901 mL	26.7802 mL
5 mM	0.5356 mL	2.678 mL	5.356 mL
10 mM	0.2678 mL	1.339 mL	2.678 mL
50 mM	0.0536 mL	0.2678 mL	0.5356 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

Masahiro Fuwa, et al. Nafamostat and Sepimostat Identified as Novel Neuroprotective Agents via NR2B N-methyl-D-aspartate Receptor Antagonism Using a Rat Retinal Excitotoxicity Model. Sci Rep. 2019 Dec 31;9(1):20409.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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