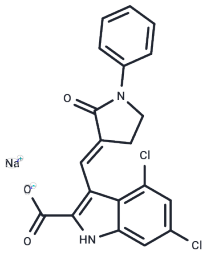
Data Sheet (Cat.No.T11516)

TargetMol

GV-196771A

Chemical Properties



CAS No. : 166974-23-8

Formula: C20H13Cl2N2NaO3

Molecular Weight: 423.23

Storage: 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	GV-196771A A novel NMDA receptor glycine site antagonist with potent antinociceptive activity.
Targets(IC50)	NMDAR,iGluR
In vivo	GV196771A, developed for the treatment of neuropathic pain, is a potent antagonist of the modulatory glycine site of the N-methyl-D-aspartate receptor (NMDA receptor). It exhibits low oral bioavailability in rats and mice, with a bioavailability of less than 10% and a plasma clearance of approximately 2 mL/min/kg[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3628 mL	11.8139 mL	23.6278 mL
5 mM	0.4726 mL	2.3628 mL	4.7256 mL
10 mM	0.2363 mL	1.1814 mL	2.3628 mL
50 mM	0.0473 mL	0.2363 mL	0.4726 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

Polli JW, et al. The systemic exposure of an N-methyl-D-aspartate receptor antagonist is limited in mice by the P-glycoprotein and breast cancer resistance protein efflux transporters. Drug Metab Dispos. 2004 Jul;32(7):722-6.

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