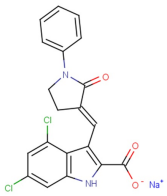
Data Sheet (Cat.No.T11516)

GV-196771A

Chemical Properties



CAS No.:	166974-23-8
Formula:	C20H13Cl2N2NaO3
Molecular Weight:	423.22
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	GV-196771A, a sodium salt form of GV196771, is an NMDA receptor antagonist.
Targets(IC_{50})	NMDA receptor: None
In vivo	GV196771 is an NMDA receptor antagonist with low oral bioavailability in rats and mice. GV196771 has low oral bioavailability (<10%) and plasma clearance (~2 mL/min/kg) in rats. GV196771 is a potent antagonist of the modulatory glycine site of the N-methyl-D-aspartate receptor.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.363 mL	11.814 mL	23.628 mL
5 mM	0.473 mL	2.363 mL	4.726 mL
10 mM	0.236 mL	1.181 mL	2.363 mL
50 mM	0.047 mL	0.236 mL	0.473 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 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. 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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