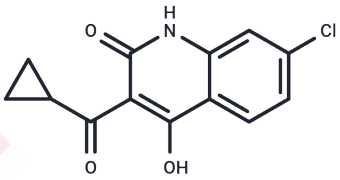
Data Sheet (Cat.No.T22900)

TargetMol

L-701252

Chemical Properties



CAS No. : 151057-13-5

Formula: C13H10ClNO3

Molecular Weight: 263.68

Appearance: Solid

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	L-701252, a potent glycine site NMDA receptor antagonist, exhibits an inhibition concentration (IC50) of 420 nM. Additionally, it offers marginal neuroprotection against global cerebral ischemia.
Targets(IC50)	NMDAR,iGluR
In vivo	L-701252 (50 mg/kg; i.p.) offers minimal, non-significant protection[1].

Solubility Information

Solubility	DMSO: 1.32 mg/mL (5.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7925 mL	18.9624 mL	37.9248 mL
5 mM	0.7585 mL	3.7925 mL	7.585 mL
10 mM	0.3792 mL	1.8962 mL	3.7925 mL
50 mM	0.0758 mL	0.3792 mL	0.7585 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.

Reference

Stone TW. Development and therapeutic potential of kynurenic acid and kynurenine derivatives for neuroprotection. Trends Pharmacol Sci. 2000;21(4):149-154.

Widdowson PS, et al. Failure of glycine site NMDA receptor antagonists to protect against L-2-chloropropionic acid-induced neurotoxicity highlights the uniqueness of cerebellar NMDA receptors. Brain Res. 1996;738(2):236-242.

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