

L-701324

Chemical Properties

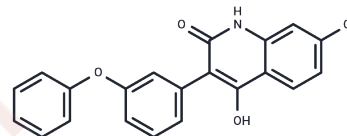
CAS No. : 142326-59-8

Formula: C₂₁H₁₄ClNO₃

Molecular Weight: 363.79

Appearance: no data available

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



Biological Description

Description	L-701324 is an NMDA receptor with high affinity and selectivity for the glycine site, used as an orally active and long-acting anticonvulsant.
Targets(IC ₅₀)	NMDAR,iGluR
Kinase Assay	Ovaries from mice at day10 of age are treated with 10 μM MHY1485 for 3h and proteins are extracted using M-PER Mammalian Protein Extraction Reagent containing a protease inhibitor cocktail. Protein concentrations in supernatants are determined by the bicinchoninic acid method. Equal amounts of protein lysates are loaded on 4-12% NuPAGE Bis-Tris gels in MOPS buffer and transferred to 0.45 μM pore nitrocellulose membranes[2].

Solubility Information

Solubility	DMSO: 55 mg/mL (151.19 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	2.7488 mL	13.7442 mL	27.4884 mL
5 mM	0.5498 mL	2.7488 mL	5.4977 mL
10 mM	0.2749 mL	1.3744 mL	2.7488 mL
50 mM	0.055 mL	0.2749 mL	0.5498 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

Wlaż P, Poleszak E. Pharmacol Rep. 2011;63(5):1231-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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