

LY339434 HCl

Chemical Properties

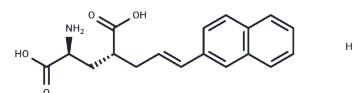
CAS No. :

Formula: C₁₈H₂₀ClNO₄

Molecular Weight: 349.81

Appearance: no data available

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



Biological Description

Description	LY339434 HCl is a low affinity GluR5 erythrocyte receptor agonist. LY339434 HCl causes rapid neuronal death primarily by affecting N-methyl-D-aspartate (NMDA) receptors.
Targets(IC ₅₀)	GluR, NMDAR
In vitro	LY339434 HCl (1-1000 μM) caused a concentration-dependent decrease in cell viability (EC ₅₀ =11.4±1.2 μM). Labeling with nucleic acid binding dyes revealed that LY339434 HCl induced a few apoptotic-like characteristics. These findings indicate that in cultured murine cortical neurons, LY339434 HCl acts predominantly through N-methyl-D-aspartate (NMDA) receptors rather than GluR5 to affect neuronal death that is rapid and involves predominantly necrosis rather than morphological apoptosis.[1]

Solubility Information

Solubility	DMSO: 50 mg/mL (142.93 mM) (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8587 mL	14.2935 mL	28.5869 mL
5 mM	0.5717 mL	2.8587 mL	5.7174 mL
10 mM	0.2859 mL	1.4293 mL	2.8587 mL
50 mM	0.0572 mL	0.2859 mL	0.5717 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

Moldrich RX, et al. Excitotoxic profile of LY339434, a GluR5 agonist, in cultured murine cortical neurons. Brain Res. 2000 Apr 17;862(1-2):270-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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