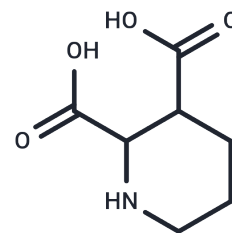


cis-PDA

Chemical Properties

CAS No. : 46026-75-9
 Formula: C₇H₁₁NO₄
 Molecular Weight: 173.17
 Storage: 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	cis-PDA (cis PDA) is a general ionotropic receptor antagonist. cis-PDA acts by blocking NMDA, AMPA, and kainate-mediated responses.
Targets(IC50)	GluR,NMDAR,iGluR

Solubility Information

Solubility	H ₂ O: ≥15 mg/mL, Sonication is recommended. DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.7747 mL	28.8734 mL	57.7467 mL
5 mM	1.1549 mL	5.7747 mL	11.5493 mL
10 mM	0.5775 mL	2.8873 mL	5.7747 mL
50 mM	0.1155 mL	0.5775 mL	1.1549 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

- Weber M, Bonaventure N, Sahel JA. Protective role of excitatory amino acid antagonists in experimental retinal ischemia. *Graefes Arch Clin Exp Ophthalmol*. 1995 Jun;233(6):360-5.
- Näsström J, Karlsson U, Post C. Antinociceptive actions of different classes of excitatory amino acid receptor antagonists in mice. *Eur J Pharmacol*. 1992 Feb 25;212(1):21-9.
- Stone S, Witkovsky P, Schütte M. A chromatic horizontal cell in the *Xenopus* retina: intracellular staining and synaptic pharmacology. *J Neurophysiol*. 1990 Dec;64(6):1683-94.
- O'Dell TJ, Christensen BN. A voltage-clamp study of isolated stingray horizontal cell non-NMDA excitatory amino acid receptors. *J Neurophysiol*. 1989 Jan;61(1):162-72.

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