

DL-AP7

Chemical Properties

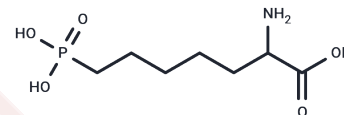
CAS No. : 85797-13-3

Formula: C₇H₁₆NO₅P

Molecular Weight: 225.18

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	DL-AP7, a competitive NMDA antagonist and anticonvulsant, blocks NMDA-induced convulsions and impairs learning performance in mice during a passive avoidance task [1].
Targets(IC50)	Others, iGluR
In vivo	DL-AP7, when administered intracerebroventricularly (ICV), inhibits convulsions triggered by NMDA with an effective dose (ED 50) of 0.22 nmol/mouse. Additionally, it detrimentally affects the ability of mice to learn in a passive avoidance task [1].

Solubility Information

Solubility	1 eq. NaOH: 100 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	4.4409 mL	22.2045 mL	44.4089 mL
5 mM	0.8882 mL	4.4409 mL	8.8818 mL
10 mM	0.4441 mL	2.2204 mL	4.4409 mL
50 mM	0.0888 mL	0.4441 mL	0.8882 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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