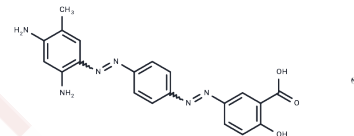


NSC45586

Chemical Properties

CAS No. : 6300-44-3
 Formula: C₂₀H₁₈N₆NaO₃⁺
 Molecular Weight: 413.4
 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	NSC45586 is a protein phosphatase PHLPP inhibitor, which is selective for PHLPP1 and PHLPP2.
Targets(IC50)	Others,Akt,Serine Protease

Solubility Information

Solubility	H ₂ O: Insoluble, Ethanol: Insoluble, DMSO: 82 mg/mL (198.36 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	2.419 mL	12.0948 mL	24.1896 mL
5 mM	0.4838 mL	2.419 mL	4.8379 mL
10 mM	0.2419 mL	1.2095 mL	2.419 mL
50 mM	0.0484 mL	0.2419 mL	0.4838 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

Jackson T C , Verrier J D , Drabek T , et al. Pharmacological inhibition of pleckstrin homology domain leucine-rich repeat protein phosphatase is neuroprotective: differential effects on astrocytes.[J]. Journal of Pharmacology and Experimental Therapeutics, 2013, 347(2):516-528.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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