Data Sheet (Cat.No.T22831)

TargetMol

Protein kinase inhibitor H-7 dihydrochloride

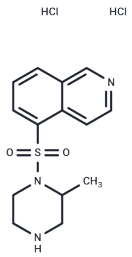
Chemical Properties

CAS No. : 108930-17-2

Formula: C14H19Cl2N3O2S

Molecular Weight: 364.29

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	Protein kinase inhibitor H-7 dihydrochloride(H-7 dihydrochloride) is a potent protein kinase C (PKC) inhibitor. Protein kinase inhibitor H-7 dihydrochloride (100 μM) significantly inhibits TPA (skin tumor promoter, 12-O-tetradecanoylphorbol-13-acetate) and phospholipase C-induced ODC (ornithine decarboxylase) inhibited PMA-induced promiscuity cell lysis activity.
Targets(IC50)	PKC

Solubility Information

Solubility	DMSO: 55 mg/mL (150.98 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7451 mL	13.7253 mL	27.4507 mL
5 mM	0.549 mL	2.7451 mL	5.4901 mL
10 mM	0.2745 mL	1.3725 mL	2.7451 mL
50 mM	0.0549 mL	0.2745 mL	0.549 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

Fischer SM, et al. Mediation of phorbol ester-induced oxidant generation in murine epidermal cells by protein kinase C. Toxicol In Vitro. 1989;3(3):195-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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