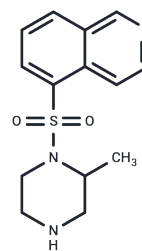


Protein kinase inhibitor H-7

Chemical Properties

CAS No. :	84477-87-2
Formula:	C ₁₄ H ₁₇ N ₃ O ₂ S
Molecular Weight:	291.37
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 (5-(2-methylpiperazine-1-sulfonyl)isoquinoline) is a potent inhibitor of protein kinase C (PKC) with a K_i of 6 μ M. Protein kinase inhibitor H-7 is also a cyclic nucleotide dependent protein kinase inhibitor.
Targets(IC ₅₀)	PKC

Solubility Information

Solubility	DMSO: 90 mg/mL (308.89 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4321 mL	17.1603 mL	34.3206 mL
5 mM	0.6864 mL	3.4321 mL	6.8641 mL
10 mM	0.3432 mL	1.716 mL	3.4321 mL
50 mM	0.0686 mL	0.3432 mL	0.6864 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

Hidaka H, et, al. Isoquinolinesulfonamides, novel and potent inhibitors of cyclic nucleotide dependent protein kinase and protein kinase C. Biochemistry. 1984 Oct 9;23(21):5036-41.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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