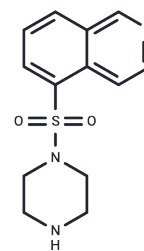


HA-100

Chemical Properties

CAS No. : 84468-24-6
 Formula: C₁₃H₁₅N₃O₂S
 Molecular Weight: 277.34
 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	HA-100 is an inhibitor of protein kinase
Targets(IC50)	Myosin,PKA,PKC,ROCK

Solubility Information

Solubility	DMSO: 150 mg/mL (540.85 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (14.42 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6057 mL	18.0284 mL	36.0568 mL
5 mM	0.7211 mL	3.6057 mL	7.2114 mL
10 mM	0.3606 mL	1.8028 mL	3.6057 mL
50 mM	0.0721 mL	0.3606 mL	0.7211 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

Hagiwara M , Inagaki M , Watanabe M , et al. Selective modulation of calcium-dependent myosin phosphorylation by novel protein kinase inhibitors, isoquinolinesulfonamide derivatives.[J]. *Molecular Pharmacology*, 1987, 32(1):7.

Sun L, Sun L, Li X, et al. A Novel Tigecycline Adjuvant ML-7 Reverses the Susceptibility of Tigecycline-Resistant *Klebsiella pneumoniae*. *Frontiers in cellular and infection microbiology*. 2022: 1341.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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