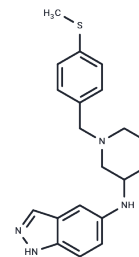


Rho-Kinase-IN-1

Chemical Properties

CAS No. :	1035094-83-7
Formula:	C ₂₀ H ₂₄ N ₄ S
Molecular Weight:	352.5
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	Rho-Kinase-IN-1 is an inhibitor of ROCK with Kis of 30.5 nM and 3.9 nM for ROCK1 and ROCK2, respectively. Rho-Kinase-IN-1 can be used in studies about excessive cell proliferation, remodeling, edema and inflammation diseases.
Targets(IC50)	ROCK

Solubility Information

Solubility	DMSO: 37.5 mg/mL (106.38 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 3.75 mg/mL (10.64 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.75 mg/mL (10.64 mM),Solution. <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	2.8369 mL	14.1844 mL	28.3688 mL
5 mM	0.5674 mL	2.8369 mL	5.6738 mL
10 mM	0.2837 mL	1.4184 mL	2.8369 mL
50 mM	0.0567 mL	0.2837 mL	0.5674 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

Fulcher, Emilee H, et al. Method for the treatment and prevention of the inflammatory diseases using Rho kinase inhibiting compounds. US 20090325960 A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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