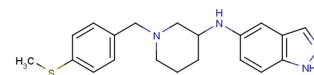


Rho-Kinase-IN-1

Chemical Properties

CAS No.:	1035094-83-7
Formula:	C ₂₀ H ₂₄ N ₄ S
Molecular Weight:	352.5
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Rho-Kinase-IN-1 is a inhibitor of Rho kinase (ROCK) with Ki values of 30.5 and 3.9 nM for ROCK1 and ROCK2, respectively
Targets(IC ₅₀)	ROCK1: 30.5 nM (ki) ROCK2: 3.9 nM (ki)
In vitro	Rho-Kinase-IN-1 is an inhibitor of ROCK, and can be useful for treating diseases or conditions associated with excessive cell proliferation, remodeling, edema and inflammation.

Solubility Information

Solubility	DMSO: 50 mg/mL (141.84 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.837 mL	14.184 mL	28.369 mL
5 mM	0.567 mL	2.837 mL	5.674 mL
10 mM	0.284 mL	1.418 mL	2.837 mL
50 mM	0.057 mL	0.284 mL	0.567 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481