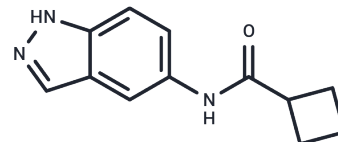


Rhodblock 6

Chemical Properties

CAS No. :	886625-06-5
Formula:	C ₁₂ H ₁₃ N ₃ O
Molecular Weight:	215.25
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Rhodblock 6 is a Rho kinase (ROCK) inhibitor that inhibits the localization of phosphorylated MRLC (Myosin Regulatory Light Chain) and acts by specifically inhibiting Rho kinase activity.
Targets(IC50)	ROCK
In vitro	Rhodblock 6 (1-30 μ M) strongly inhibits ROCK activity in a dose-dependent manner. Rhodblock 6 (100 μ M; 20 h) can cause the rupture of stress fibers in human HeLa cells.[1]

Solubility Information

Solubility	DMSO: 55 mg/mL (255.52 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6458 mL	23.2288 mL	46.4576 mL
5 mM	0.9292 mL	4.6458 mL	9.2915 mL
10 mM	0.4646 mL	2.3229 mL	4.6458 mL
50 mM	0.0929 mL	0.4646 mL	0.9292 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.

Reference

Castoreno AB, et al. Small molecules discovered in a pathway screen target the Rho pathway in cytokinesis. Nat Chem Biol. 2010;6(6):457-463.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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