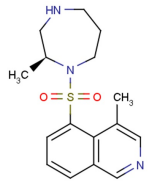
Data Sheet (Cat.No.T7552)

TargetMol
A DRUG SCREENING EXPERT

H-1152

Chemical Properties



CAS No.:	451462-58-1
Formula:	C16H21N3O2S
Molecular Weight:	319.42
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	H-1152 is a potent, specific, ATP-competitive, and cell permeable ROCK inhibitor (Ki = 1.6 nM).
Targets(IC_{50})	ROCK: 1.6 nM
In vitro	H-1152 is a more potent inhibitor of ROCK than either Y-27632 (Ki = 140 nM) or HA-1077 (Ki = 330 nM). H-1152 poorly inhibits PKA, PKC, and myosin light chain kinase (Ki = 0.63, 9.27, and 10.1 μM, respectively)

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.131 mL	15.653 mL	31.307 mL
5 mM	0.626 mL	3.131 mL	6.261 mL
10 mM	0.313 mL	1.565 mL	3.131 mL
50 mM	0.063 mL	0.313 mL	0.626 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 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Ikenoya M , Hidaka H , Hosoya T , et al. Inhibition of Rho-kinase-induced myristoylated alanine-rich C kinase substrate (MARCKS) phosphorylation in human neuronal cells by H-1152, a novel and specific Rho-kinase inhibitor [J]. Journal of Neurochemistry, 2002, 81(1):9-16.

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