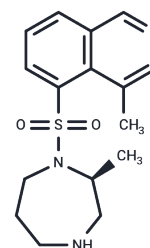


H-1152

Chemical Properties

CAS No. : 451462-58-1
Formula: C₁₆H₂₁N₃O₂S
Molecular Weight: 319.42
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1307 mL	15.6534 mL	31.3067 mL
5 mM	0.6261 mL	3.1307 mL	6.2613 mL
10 mM	0.3131 mL	1.5653 mL	3.1307 mL
50 mM	0.0626 mL	0.3131 mL	0.6261 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

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

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