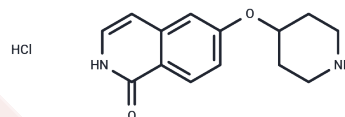


SAR407899 hydrochloride

Chemical Properties

CAS No. :	923262-96-8
Formula:	C ₁₄ H ₁₇ ClN ₂ O ₂
Molecular Weight:	280.75
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	SAR407899 hydrochloride is a selective, potent, and ATP-competitive ROCK inhibitor with an IC ₅₀ of 135 nM for ROCK-2, and Kis of 36 nM and 41 nM for human and rat ROCK-2, respectively.
Targets(IC ₅₀)	ROCK

Solubility Information

Solubility	DMSO: 45 mg/mL (160.28 mM),Sonication is recommended. H ₂ O: 50 mg/mL (178.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.12 mM),Sonication is recommended. <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	3.5619 mL	17.8094 mL	35.6189 mL
5 mM	0.7124 mL	3.5619 mL	7.1238 mL
10 mM	0.3562 mL	1.7809 mL	3.5619 mL
50 mM	0.0712 mL	0.3562 mL	0.7124 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

Matthias Löhn, et al. Pharmacological characterization of SAR407899, a novel rho-kinase inhibitor. Hypertension. 2009 Sep;54(3):676-83.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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