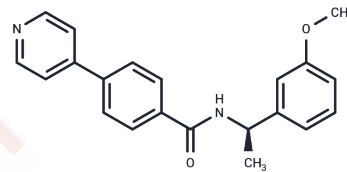


ROCK inhibitor-2

Chemical Properties

CAS No. :	1127308-52-4
Formula:	C ₂₁ H ₂₀ N ₂ O ₂
Molecular Weight:	332.4
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	ROCK inhibitor-2 is a selective dual inhibitor of ROCK1 and ROCK2, with IC ₅₀ values of 17 nM and 2 nM, respectively.
Targets(IC ₅₀)	ROCK

Solubility Information

Solubility	DMSO: 250 mg/mL (752.11 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: 5 mg/mL (15.04 mM), Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (30.08 mM), Suspension. <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	3.0084 mL	15.0421 mL	30.0842 mL
5 mM	0.6017 mL	3.0084 mL	6.0168 mL
10 mM	0.3008 mL	1.5042 mL	3.0084 mL
50 mM	0.0602 mL	0.3008 mL	0.6017 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

Hobson AD, et al. Identification of Selective Dual ROCK1 and ROCK2 Inhibitors Using Structure-Based DrugDesign. J Med Chem. 2018 Dec 27;61(24):11074-11100.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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