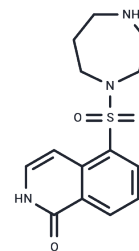


Hydroxyfasudil

Chemical Properties

CAS No. :	105628-72-6
Formula:	C ₁₄ H ₁₇ N ₃ O ₃ S
Molecular Weight:	307.37
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	Hydroxyfasudil (Hydroxy-Fasudil) is a ROCK inhibitor (IC ₅₀ s of 0.73 and 0.72 μM for ROCK1 and ROCK2, respectively).
Targets (IC ₅₀)	PKA, ROCK

Solubility Information

Solubility	DMSO: 31 mg/mL (100.86 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: 0.5 mg/mL (1.63 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	3.2534 mL	16.267 mL	32.5341 mL
5 mM	0.6507 mL	3.2534 mL	6.5068 mL
10 mM	0.3253 mL	1.6267 mL	3.2534 mL
50 mM	0.0651 mL	0.3253 mL	0.6507 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

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