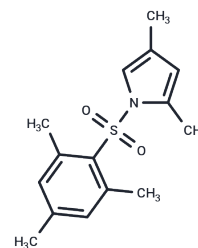


HJC0350

Chemical Properties

CAS No. : 885434-70-8
 Formula: C₁₅H₁₉NO₂S
 Molecular Weight: 277.38
 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	HJC0350 is an effective and specific EPAC2 inhibitor (IC ₅₀ : 0.3 μM), and no inhibition of Epac1.
Targets(IC ₅₀)	cAMP,Others,Ras
In vitro	HJC0350 selectively blocks cAMP-induced EPAC2 activation but do not inhibit cAMP-mediated PKA activation. In HEK293/EPAC2-FL cells, HJC0350 also inhibits 007-AM mediated cellular activation of EPAC2. [1]
Kinase Assay	In Vitro IRE1 RNase and RIDD Assays: Analysis of radiolabeled Xbp1 substrate cleavage is performed as previously except that mammalian IRE1 reaction buffer is used. In vitro RIDD substrates are synthesized by in vitro transcription using the T7-MAXIscript Kit in the presence of 32P ATP or Cy5-UTP on templates isolated by RT-PCR from mouse Min6 cells (Ins2) or PCR from cloned XBP1 cDNA. The resulting products are gel purified to obtain full-length substrate. Reactions are then separated by 15% UREA-PAGE for analysis by phosphorimaging or by near-infrared imaging using the LI-COR Odyssey scanner.

Solubility Information

Solubility	DMSO: 16.67 mg/mL (60.1 mM),Sonication is recommended. Ethanol: 5.6 mg/mL (20.19 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1.5 mg/mL (5.41 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	3.6052 mL	18.0258 mL	36.0516 mL
5 mM	0.721 mL	3.6052 mL	7.2103 mL
10 mM	0.3605 mL	1.8026 mL	3.6052 mL
50 mM	0.0721 mL	0.3605 mL	0.721 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

Chen H, et al. J Med Chem. 2013, 56(3), 952-962.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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