

JMS-053

Chemical Properties

CAS No. : 1954650-11-3

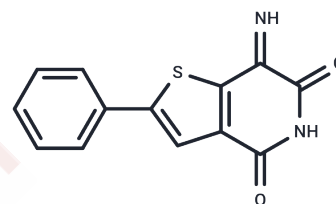
Formula: C₁₃H₈N₂O₂S

Molecular Weight: 256.28

Store at low temperature

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	JMS-053 is a potent and selective inhibitor of the phosphatase DUSP3, inhibits PTP4A3, PTP4A1, PTP4A2 and CDC25B, inhibits cancer cell migration and sphere growth, and avoids disruption of the microvascular endothelial barrier by vascular endothelial growth factor or lipopolysaccharide.
Targets(IC50)	STAT,Phosphatase,Ras

Solubility Information

Solubility	DMSO: 5 mg/mL (19.51 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.902 mL	19.5099 mL	39.0198 mL
5 mM	0.7804 mL	3.902 mL	7.804 mL
10 mM	0.3902 mL	1.951 mL	3.902 mL
50 mM	0.078 mL	0.3902 mL	0.7804 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

Lazo JS, et, al. Next-Generation Cell-Active Inhibitors of the Undrugged Oncogenic PTP4A3 Phosphatase. J Pharmacol Exp Ther. 2019 Dec;371(3):652-662.

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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