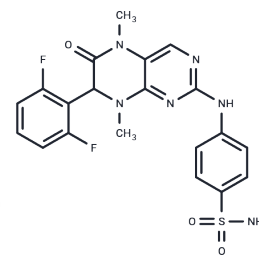


IHMT-MST1-39

Chemical Properties

CAS No. : 2414484-01-6
 Formula: C₂₀H₁₈F₂N₆O₃S
 Molecular Weight: 460.46
 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	IHMT-MST1-39 is an orally effective MST kinase inhibitor with IC ₅₀ values of 42 nM for MST1 and 109 nM for MST2. It activates the AMPK signaling pathway in hepatocytes and inhibits apoptosis in pancreatic β cells. Additionally, IHMT-MST1-39 improves type 1 diabetes in mice induced by Streptozotocin.
Targets(IC ₅₀)	Apoptosis,Hippo pathway,AMPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1717 mL	10.8587 mL	21.7174 mL
5 mM	0.4343 mL	2.1717 mL	4.3435 mL
10 mM	0.2172 mL	1.0859 mL	2.1717 mL
50 mM	0.0434 mL	0.2172 mL	0.4343 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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