

IIIM-290

Chemical Properties

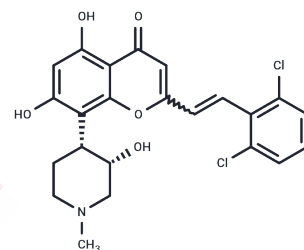
CAS No. : 2213468-64-3

Formula: C₂₃H₂₁Cl₂N₅O₅

Molecular Weight: 462.32

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	IIIM-290 is an oral CDK inhibitor (IC ₅₀ s: 90 and 94 nM for CDK2/A and CDK9/T1).
Targets(IC ₅₀)	CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.163 mL	10.815 mL	21.630 mL
5 mM	0.4326 mL	2.163 mL	4.326 mL
10 mM	0.2163 mL	1.0815 mL	2.163 mL
50 mM	0.0433 mL	0.2163 mL	0.4326 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

Bharate SB, et al. Discovery and Preclinical Development of IIIM-290, an Orally Active Potent Cyclin-Dependent Kinase Inhibitor. J Med Chem. 2018 Feb 22;61(4):1664-1687.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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