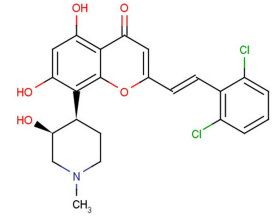


Data Sheet (Cat.No.T11632)

IIIM-290

Chemical Properties

CAS No.:	2213468-64-3
Formula:	C ₂₃ H ₂₁ Cl ₂ NO ₅
Molecular Weight:	462.32
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

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

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.163 mL	10.815 mL	21.63 mL
5 mM	0.433 mL	2.163 mL	4.326 mL
10 mM	0.216 mL	1.082 mL	2.163 mL
50 mM	0.043 mL	0.216 mL	0.433 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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