

Cdc7-IN-1

Chemical Properties

CAS No. : 1402055-25-7
 Formula: C₂₁H₁₆ClN₃O₄
 Molecular Weight: 409.82
 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	Cdc7-IN-1 is a highly selective and ATP competitive inhibitor of Cdc7 kinase (IC ₅₀ : 0.6 nM at 1 mM ATP). It potently inhibits Cdc7 activity in cancer cells and effectively induces cell death.
Targets(IC ₅₀)	CDK

Solubility Information

Solubility	DMSO: 5.2 mg/mL (12.69 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	2.4401 mL	12.2005 mL	24.401 mL
5 mM	0.488 mL	2.4401 mL	4.8802 mL
10 mM	0.244 mL	1.220 mL	2.4401 mL
50 mM	0.0488 mL	0.244 mL	0.488 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

Irie T, et al. Discovery of novel furanone derivatives as potent Cdc7 kinase inhibitors. Eur J Med Chem. 2017 Apr 21; 130:406-418.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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