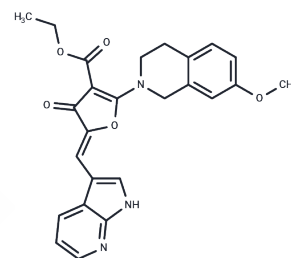


Cdc7-IN-5

## Chemical Properties

CAS No. : 1402057-86-6  
 Formula: C<sub>25</sub>H<sub>23</sub>N<sub>3</sub>O<sub>5</sub>  
 Molecular Weight: 445.47  
 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-5 is a potent inhibitor of Cdc7 kinase. Cdc7, a serine-threonine protein kinase enzyme, is essential for the initiation of DNA replication in the cell cycle.
Targets(IC50)	CDK

## Solubility Information

Solubility	DMSO: 6 mg/mL (13.47 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2448 mL	11.2241 mL	22.4482 mL
5 mM	0.449 mL	2.2448 mL	4.4896 mL
10 mM	0.2245 mL	1.1224 mL	2.2448 mL
50 mM	0.0449 mL	0.2245 mL	0.449 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

Christian Andrew HASSIG, et al. Methods of treatment of cancer comprising cdc7 inhibitors. WO2019165473A1.

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