

Cdc7-IN-7c

Chemical Properties

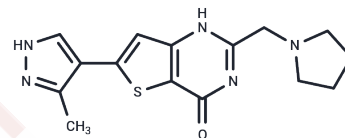
CAS No. : 1330781-04-8

Formula: C₁₅H₁₇N₅O₅

Molecular Weight: 315.39

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-7c (Cdc7 inhibitor-7c) has antitumor activity and has inhibitory effect on liver cancer, lung cancer, kidney cancer, brain cancer and cervical cancer.
Targets(IC50)	CDK

Solubility Information

Solubility	DMSO: 25 mg/mL (79.27 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	3.1707 mL	15.8534 mL	31.7068 mL
5 mM	0.6341 mL	3.1707 mL	6.3414 mL
10 mM	0.3171 mL	1.5853 mL	3.1707 mL
50 mM	0.0634 mL	0.3171 mL	0.6341 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

Kurasawa O, et al. 2-Aminomethylthieno[3,2-d]pyrimidin-4(3H)-ones bearing 3-methylpyrazole hinge binding moiety: Highly potent, selective, and time-dependent inhibitors of Cdc7 kinase. *Bioorg Med Chem.* 2017;25(14): 3658-3670.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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