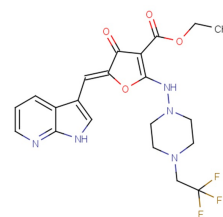


Cdc7-IN-6

Chemical Properties

CAS No.:	1402057-88-8
Formula:	C ₂₁ H ₂₂ F ₃ N ₅ O ₄
Molecular Weight:	465.43
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Cdc7-IN-6 is a potent Cdc7 kinase inhibitor (IC ₅₀ =4 nM) extracted from patent WO2019165473A1 (compound I- D) with anti-tumor activity.
Targets(IC ₅₀)	Others: None
In vitro	Cdc7-IN-6 shows potent inhibitory activity (IC ₅₀ <3 μM) in a range of solid tumor cell lines, including those of sarcoma (143B, CADO-ES1, RD-ES, A673), bladder (5673, RT1 12/84), colon and cecum (Colo-205, DLD-I, LS1034, SK-CO-I, SNU-C1), renal (UO.31), melanoma (A2058, A875), head-and-neck (CNE-2Z, RPMI-2650), and gastric (HGC-27) lineages.

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	2.149 mL	10.743 mL	21.486 mL
5 mM	0.43 mL	2.149 mL	4.297 mL
10 mM	0.215 mL	1.074 mL	2.149 mL
50 mM	0.043 mL	0.215 mL	0.43 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. Christian Andrew HASSIG, et al. Methods of treatment of cancer comprising cdc7 inhibitors. WO2019165473A1.

Inhibitors · Natural Compounds · Compound Libraries

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