

CHK-IN-1

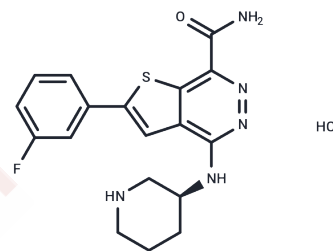
Chemical Properties

CAS No. : 1278405-51-8

Formula: C₁₈H₁₉ClFN₅O₅

Molecular Weight: 407.89

Storage: Store at low temperature
 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	CHK-IN-1 is a dual inhibitor of CHK1 and CHK2 with antiproliferative activity.
Targets(IC50)	Chk
In vitro	CHK-IN-1, as per research findings, has the capability to prevent the DNA damage repair mechanism from causing cell cycle arrest at the G2/M checkpoint[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4516 mL	12.2582 mL	24.5164 mL
5 mM	0.4903 mL	2.4516 mL	4.9033 mL
10 mM	0.2452 mL	1.2258 mL	2.4516 mL
50 mM	0.049 mL	0.2452 mL	0.4903 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

Wu Z. Novel compounds and therapeutic use thereof for protein kinase inhibition[P]. 2011-3-24.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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