

CHK1-IN-13

Chemical Properties

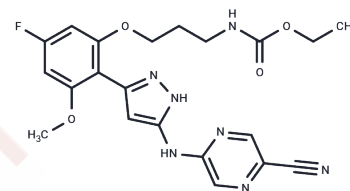
CAS No. : 2120398-52-7

Formula: C₂₁H₂₂FN₇O₄

Molecular Weight: 455.44

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	CHK1-IN-13 (Compound 38) is an inhibitor of checkpoint kinase 1 (Chk1) with an IC ₅₀ ranging from 10 to 50 nM. It exhibits antitumor activity and can be utilized in research studies focused on cancers such as breast, ovarian, and prostate cancer.
Targets(IC ₅₀)	Chk

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1957 mL	10.9784 mL	21.9568 mL
5 mM	0.4391 mL	2.1957 mL	4.3914 mL
10 mM	0.2196 mL	1.0978 mL	2.1957 mL
50 mM	0.0439 mL	0.2196 mL	0.4391 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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