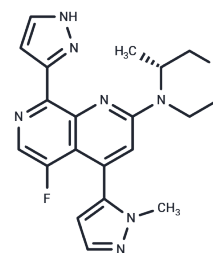


ATR-IN-14

Chemical Properties

CAS No. : 2765785-88-2
 Formula: C₂₀H₂₀FN₇O
 Molecular Weight: 393.42
 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	ATR-IN-14 (compound 1) is a powerful ATR kinase inhibitor that significantly inhibits ATR signaling pathways following CHKI protein phosphorylation, with a remarkable inhibition rate of 98.03% at 25 nM. ATR-IN-14 also exhibits notable anticancer efficacy in LoVo cells, displaying an IC ₅₀ value of 64 nM [1].
Targets(IC ₅₀)	ATM/ATR,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5418 mL	12.7091 mL	25.4181 mL
5 mM	0.5084 mL	2.5418 mL	5.0836 mL
10 mM	0.2542 mL	1.2709 mL	2.5418 mL
50 mM	0.0508 mL	0.2542 mL	0.5084 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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