

CDK9-IN-27

Chemical Properties

CAS No. :

Formula: C₂₃H₁₈ClN₅O₃

Molecular Weight: 447.87

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	CDK9-IN-27 (Compound 6a), a CDK9 inhibitor with an IC ₅₀ of 0.424 μM, induces apoptosis and S-phase cell cycle arrest. It exhibits cytotoxicity against HepG2, HCT-116, and MCF-7 cell lines, with IC ₅₀ values ranging from 10.31 to 40.34 μM, rendering it applicable in cancer research [1].
Targets(IC ₅₀)	CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2328 mL	11.164 mL	22.3279 mL
5 mM	0.4466 mL	2.2328 mL	4.4656 mL
10 mM	0.2233 mL	1.1164 mL	2.2328 mL
50 mM	0.0447 mL	0.2233 mL	0.4466 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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