

EGFR/CDK2-IN-3

Chemical Properties

CAS No. :

Formula: C₃₀H₂₀N₆O₅

Molecular Weight: 512.58

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	EGFR/CDK2-IN-3 (compound 4b) is a dual inhibitor of EGFR and CDK-2 with IC ₅₀ values of 71.7 nM and 113.7 nM, respectively. It induces apoptosis in MCF-7 cells, arrests the cell cycle in the S phase, and exhibits significant anti-cancer cell toxicity, inhibiting MCF-7 cells with an IC ₅₀ of 3.16 μM [1].
Targets(IC ₅₀)	EGFR,CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9509 mL	9.7546 mL	19.5091 mL
5 mM	0.3902 mL	1.9509 mL	3.9018 mL
10 mM	0.1951 mL	0.9755 mL	1.9509 mL
50 mM	0.039 mL	0.1951 mL	0.3902 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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