

EGFR/CDK2-IN-4

Chemical Properties

CAS No. :

Formula: C₂₄H₁₆N₆O₅S₂

Molecular Weight: 468.55

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-4 (compound 4c) is a dual inhibitor targeting EGFR and CDK-2, with IC ₅₀ values of 89.6 nM for EGFR and 165.4 nM for CDK-2. It induces apoptosis and S phase cell cycle arrest in MCF-7 cells, showing significant anti-cancer activity with an IC ₅₀ of 2.74 μM against MCF-7 cells [1].
Targets(IC ₅₀)	EGFR,CDK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1342 mL	10.6712 mL	21.3424 mL
5 mM	0.4268 mL	2.1342 mL	4.2685 mL
10 mM	0.2134 mL	1.0671 mL	2.1342 mL
50 mM	0.0427 mL	0.2134 mL	0.4268 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481