

EGFR-IN-144

Chemical Properties

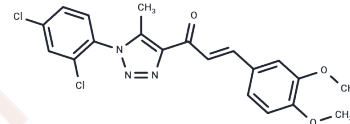
CAS No. :

Formula: C₂₀H₁₇Cl₂N₃O₃

Molecular Weight: 418.273

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-IN-144 (Compound 4B) inhibits EGFR (IC ₅₀ =0.639 µg/mL) and tubulin polymerization (IC ₅₀ =7.339 µg/mL). It exhibits cytotoxicity in various cancer cells with a GI ₅₀ at the nanomolar level. EGFR-IN-144 reduces the expression of mTOR, TNF-α, and IL-6, causes G1/S phase cell cycle arrest, and induces apoptosis.
Targets(IC ₅₀)	Apoptosis,EGFR,Microtubule Associated,Interleukin,TNF

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3908 mL	11.954 mL	23.908 mL
5 mM	0.4782 mL	2.3908 mL	4.7816 mL
10 mM	0.2391 mL	1.1954 mL	2.3908 mL
50 mM	0.0478 mL	0.2391 mL	0.4782 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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