

EGFR-IN-134

Chemical Properties

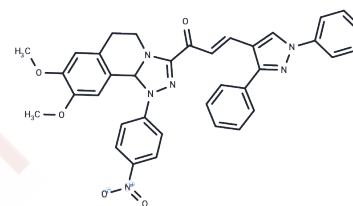
CAS No. :

Formula: C₃₆H₃₀N₆O₅

Molecular Weight: 626.66

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-134 (compound 3f) is a triazolo[3,4-a]quinoline derivative and functions as a potent EGFR inhibitor with an IC ₅₀ of 0.023 μM. It induces apoptosis and necrosis in cells, and causes cell cycle arrest in the G ₂ /M and pre-G ₁ phases. EGFR-IN-134 modulates the expression of apoptosis-regulating proteins by downregulating anti-apoptotic protein Bcl2 and upregulating pro-apoptotic proteins p53, Bax, and caspases 3, 8, and 9, demonstrating significant antiproliferative and anticancer activities.
Targets(IC ₅₀)	Apoptosis,EGFR,Bcl-2 Family,Caspase,Necroptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5958 mL	7.9788 mL	15.9576 mL
5 mM	0.3192 mL	1.5958 mL	3.1915 mL
10 mM	0.1596 mL	0.7979 mL	1.5958 mL
50 mM	0.0319 mL	0.1596 mL	0.3192 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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