

EGFR-IN-141

Chemical Properties

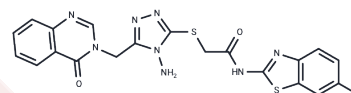
CAS No. : 3054263-27-0

Formula: C₂₀H₁₅N₈O₂S₂

Molecular Weight: 482.514

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-141 (Compound 8I) functions as an EGFR inhibitor with an IC ₅₀ of 2.67 nM. It exhibits cytotoxicity in A549 cancer cells with an IC ₅₀ of 13.75 μM. EGFR-IN-141 induces apoptosis and mitochondrial membrane depolarization and shows potential antitumor activity.
Targets(IC ₅₀)	Apoptosis,EGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0725 mL	10.3625 mL	20.725 mL
5 mM	0.4145 mL	2.0725 mL	4.145 mL
10 mM	0.2072 mL	1.0362 mL	2.0725 mL
50 mM	0.0414 mL	0.2072 mL	0.4145 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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