

EGFR-IN-131

Chemical Properties

CAS No. :

Formula: C₂₆H₂₃FN₄O₂S

Molecular Weight: 474.55

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-IN-131 (compound 3a) is an efficacious EGFR inhibitor capable of crossing the blood-brain barrier, with an IC ₅₀ value of 272.9 nM. This compound exhibits anti-proliferative activity, induces cellular apoptosis (apoptosis), and causes cell cycle arrest in the G ₀ /G ₁ phase. Additionally, EGFR-IN-131 reduces the protein expression of p-EGFR.
Targets(IC ₅₀)	Apoptosis,EGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1073 mL	10.5363 mL	21.0726 mL
5 mM	0.4215 mL	2.1073 mL	4.2145 mL
10 mM	0.2107 mL	1.0536 mL	2.1073 mL
50 mM	0.0421 mL	0.2107 mL	0.4215 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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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481