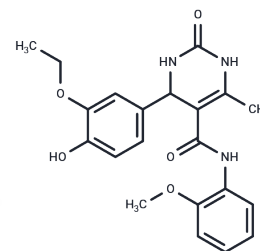


EGFR-IN-159

Chemical Properties

CAS No. :	2055746-08-0
Formula:	C ₂₁ H ₂₃ N ₃ O ₅
Molecular Weight:	397.424
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-159 (compound 12) is a dihydropyrimidine and a potent EGFR inhibitor with an IC ₅₀ of 29.00 nM. It exhibits dose-dependent inhibition of EGFR and HER2. The compound shows cytotoxicity against MCF-7 breast cancer cells and Vero cells with IC ₅₀ values of 16.07 µg/mL and 35.98 µg/mL, respectively. EGFR-IN-159 does not cross the blood-brain barrier (BBB) and demonstrates significant anticancer activity.
Targets(IC ₅₀)	EGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5162 mL	12.5811 mL	25.1623 mL
5 mM	0.5032 mL	2.5162 mL	5.0325 mL
10 mM	0.2516 mL	1.2581 mL	2.5162 mL
50 mM	0.0503 mL	0.2516 mL	0.5032 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