

EGFR-IN-79

## Chemical Properties

CAS No. :

Formula: C<sub>23</sub>H<sub>16</sub>ClN<sub>3</sub>O<sub>3</sub>

Molecular Weight: 417.84

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-79 (compound 21), an EGFR inhibitor, exhibits antitumor activity through ROS-independent apoptosis and EGFR/AKT/mTOR-mediated autophagy. It effectively induces cell death in proliferating and quiescent zones of EJ28 spheroids and demonstrates a safety profile in zebrafish-based models [1].
Targets(IC50)	EGFR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3933 mL	11.9663 mL	23.9326 mL
5 mM	0.4787 mL	2.3933 mL	4.7865 mL
10 mM	0.2393 mL	1.1966 mL	2.3933 mL
50 mM	0.0479 mL	0.2393 mL	0.4787 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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