

EGFR-IN-81

## Chemical Properties

CAS No. :

Formula: C<sub>28</sub>H<sub>24</sub>F<sub>3</sub>N<sub>5</sub>O<sub>4</sub>

Molecular Weight: 551.52

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-81 (Compound 10i), an EGFR inhibitor, demonstrates potent activity by inhibiting EGFR WT and the L858R/T790M mutation at IC <sub>50</sub> values of 4.38 nM and 5.69 nM, respectively. It also exhibits cytotoxic effects against MCF-7 and HCT116 cell lines with IC <sub>50</sub> values of 2.07 μM and 6.72 μM, respectively [1].
Targets(IC <sub>50</sub> )	EGFR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8132 mL	9.0659 mL	18.1317 mL
5 mM	0.3626 mL	1.8132 mL	3.6263 mL
10 mM	0.1813 mL	0.9066 mL	1.8132 mL
50 mM	0.0363 mL	0.1813 mL	0.3626 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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