

## EGFR-IN-83

## Chemical Properties

CAS No. :

Formula: C<sub>22</sub>H<sub>17</sub>F<sub>3</sub>N<sub>4</sub>O

Molecular Weight: 410.39

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-83 (Compound 9), an EGFR inhibitor with an IC <sub>50</sub> of 2.53 nM, exhibits antiproliferative effects on MCF-7 and MDA-MB-231 cell lines, with respective IC <sub>50</sub> values of 2.50 μM and 1.96 μM. Furthermore, EGFR-IN-83 is capable of inducing cell apoptosis [1].
Targets(IC <sub>50</sub> )	Apoptosis,EGFR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4367 mL	12.1835 mL	24.3671 mL
5 mM	0.4873 mL	2.4367 mL	4.8734 mL
10 mM	0.2437 mL	1.2184 mL	2.4367 mL
50 mM	0.0487 mL	0.2437 mL	0.4873 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