

EGFR-IN-140

## Chemical Properties

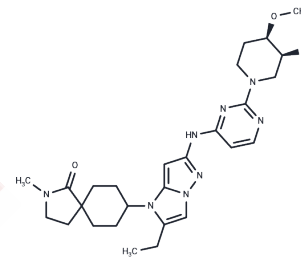
CAS No. :

Formula: C27H37FN8O2

Molecular Weight: 524.633

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-140 (Compound 31) is an inhibitor of EGFR, effectively targeting both wild-type EGFR and the EGFR L858R/T790M/C797S mutant, with $K_i$ values of 0.95 nM and 2.1 nM, respectively. Additionally, it inhibits EGFR del19/T790M/C797S in Ba/F3 cells with an $IC_{50}$ of 56.9 nM and demonstrates antitumor activity in mouse models.
Targets( $IC_{50}$ )	EGFR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9061 mL	9.5305 mL	19.0611 mL
5 mM	0.3812 mL	1.9061 mL	3.8122 mL
10 mM	0.1906 mL	0.9531 mL	1.9061 mL
50 mM	0.0381 mL	0.1906 mL	0.3812 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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