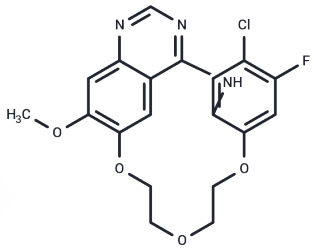
Data Sheet (Cat.No.T73165)

TargetMol

EGFR-IN-73

Chemical Properties



CAS No. : 2857033-34-0

Formula: C19H17ClFN3O4

Molecular Weight: 405.81

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-73 (Compound 3f) effectively inhibits the prevalent EGFR mutation, EGFR Del19, with an IC50 value of 119 nM [1].
Targets(IC50)	EGFR
In vitro	EGFR-IN-73 (Compound 3f), ranging from 0.01 nM to 10 μM over 72 hours, exhibits low activity against wild-type EGFR and potently binds to EGFR mutants including EGFR d746-750 (Del19), EGFR d747-752/P753S, and EGFR L858R, as well as to a lesser extent with EGFR d752-759 and the oncogenic mutants FLT3 D835Y and FLT3 ITD D835V. The compound demonstrates excellent chemical stability, retaining over 95% under acidic conditions after 3 hours and maintaining above 80% stability at neutral pH 7.4.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4642 mL	12.321 mL	24.6421 mL
5 mM	0.4928 mL	2.4642 mL	4.9284 mL
10 mM	0.2464 mL	1.2321 mL	2.4642 mL
50 mM	0.0493 mL	0.2464 mL	0.4928 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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