

MS9427 TFA

Chemical Properties

CAS No. :

Formula: C50H59ClF4N8O14

Molecular Weight: 1107.5

Keep away from direct sunlight

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	MS9427 TFA is a potent PROTAC-based EGFR degrader, exhibiting dissociation constants (Kd) of 7.1 nM for wild-type EGFR and 4.3 nM for the L858R EGFR mutation. It preferentially degrades the mutant EGFR, sparing the wild-type form, utilizing both the ubiquitin/proteasome system (UPS) and the autophagy/lysosome pathways. Its efficacy extends to the significant inhibition of non-small cell lung cancer (NSCLC) cell proliferation, indicating its potential utility in anticancer research [1].
Targets(IC50)	EGFR,PROTACs

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9029 mL	4.5147 mL	9.0293 mL
5 mM	0.1806 mL	0.9029 mL	1.8059 mL
10 mM	0.0903 mL	0.4515 mL	0.9029 mL
50 mM	0.0181 mL	0.0903 mL	0.1806 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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