

EGFR T790M/L858R-IN-9

## Chemical Properties

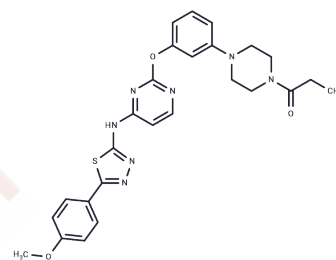
CAS No. :

Formula: C<sub>26</sub>H<sub>27</sub>N<sub>7</sub>O<sub>3</sub>S

Molecular Weight: 517.603

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 T790M/L858R-IN-9 (Compound 8) is an inhibitor targeting the EGFR-L858R/T790M mutations. It effectively inhibits the phosphorylation of the EGFR-L858R/T790M mutant kinase, demonstrating an IC <sub>50</sub> value of 0.0064 μM. Additionally, EGFR T790M/L858R-IN-9 can suppress the proliferation of non-small cell lung cancer (NSCLC) cells, making it useful for cancer research.
Targets(IC <sub>50</sub> )	EGFR
In vitro	EGFR T790M/L858R-IN-9 (Compound 8) exhibits antiproliferative activity in mutated and wild-type NSCLC cell lines, with IC <sub>50</sub> values of 0.170 μM for proliferation in H1975 cells carrying the EGFR-L858R/T790M mutation, and 0.554 μM in A549 cells [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.932 mL	9.660 mL	19.3199 mL
5 mM	0.3864 mL	1.932 mL	3.864 mL
10 mM	0.1932 mL	0.966 mL	1.932 mL
50 mM	0.0386 mL	0.1932 mL	0.3864 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**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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