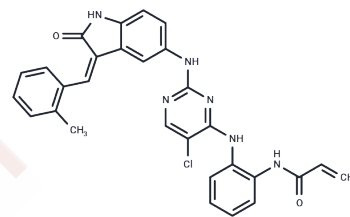


## EGFR-IN-150

## Chemical Properties

CAS No. :	3037323-16-0
Formula:	C <sub>29</sub> H <sub>23</sub> ClN <sub>6</sub> O <sub>2</sub>
Molecular Weight:	522.985
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-150 is an EGFR inhibitor that effectively inhibits the phosphorylation of mutant epidermal growth factor receptor (EGFR) and its downstream AKT signaling pathway, exerting antitumor effects and inducing HMOX1 expression to trigger ferroptosis. This compound exhibits an IC <sub>50</sub> of 0.386 μM against the non-small cell lung cancer (NSCLC) cell line H1975 and significantly suppresses the colony formation and migration abilities of H1975 and A549 cells, while also inducing apoptosis. Additionally, EGFR-IN-150 prominently reduces tumor growth in H1975 tumor-bearing mouse CDX models. It holds promise for research related to non-small cell lung cancer.
Targets(IC50)	Apoptosis,EGFR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9121 mL	9.5604 mL	19.1208 mL
5 mM	0.3824 mL	1.9121 mL	3.8242 mL
10 mM	0.1912 mL	0.956 mL	1.9121 mL
50 mM	0.0382 mL	0.1912 mL	0.3824 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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