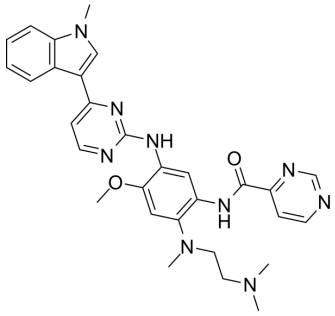
EGFR-IN-62

Cat. No.:	HY-147862
CAS No.:	2890261-65-9
Molecular Formula:	$C_{30}H_{33}N_9O_2$
Molecular Weight:	551.64
Target:	EGFR; Apoptosis
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	EGFR-IN-62 (compound 9h) is a potent and reversible EGFR kinase inhibitor, with IC_{50} values of 10 nM (L858R/T790 M), 29 nM (WT), and 242 nM (L858R/T790 M/C797S), respectively. EGFR-IN-62 shows antiproliferative activity against A549 and H1975 cell lines, with IC_{50} values of 2.53 and 1.56 μM, respectively. EGFR-IN-62 induces dose-dependent apoptosis process, G1/G0-phase arrestation, and the inhibition of motility on A549 and/or H1975 cell lines[1].		
IC_{50} & Target	$EGFR^{L858R/T790M}$ 10 ± 1 (IC_{50})	EGFR (WT) 29 ± 2 (IC_{50})	$EGFR^{L858R/T790M/C797S}$ 242 ± 9 (IC_{50})

REFERENCES

[1]. Ding S, et al. Design, synthesis and biological evaluation of novel osimertinib derivatives as reversible EGFR kinase inhibitors. Eur J Med Chem. 2022 Aug 5;238:114492.

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