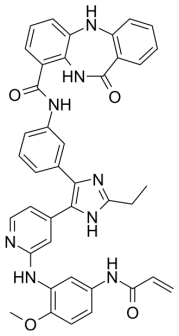
EGFR kinase inhibitor 4

Cat. No.:	HY-162300
CAS No.:	2922402-05-7
Molecular Formula:	$C_{40}H_{34}N_8O_4$
Molecular Weight:	690.75
Target:	EGFR
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	EGFR kinase inhibitor 4 (Compound 4) is a bivalent ATP-allosteric EGFR inhibitor (IC_{50}: 1.8 nM for mutant EGFR (LRTMCS)). EGFR kinase inhibitor 4 can be used for research of NSCLC[1].
IC_{50} & Target	IC50: 1.8 nM for mutant EGFR (LRTMCS)[1]
In Vitro	EGFR kinase inhibitor 4 (0-10 μM, 6 h) inhibits LRTM phosphorylation (pY1068) and downstream pERK and pAKT in the human NSCLC cell lines (H1975, H3255, HCC827 cells)[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wittlinger F, et al. Linking ATP and allosteric sites to achieve superadditive binding with bivalent EGFR kinase inhibitors. Commun Chem. 2024 Feb 20;7(1):38.

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