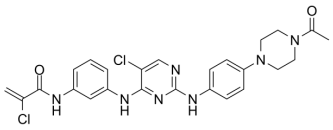
EGFR-IN-55

Cat. No.:	HY-146132
CAS No.:	2057423-46-6
Molecular Formula:	$C_{25}H_{25}Cl_2N_7O_2$
Molecular Weight:	526.42
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-IN-55 (Compound 8a) is a potent EGFR inhibitor with IC_{50} values of 70 nM and 3.9 nM against $EGFR^{WT}$ and $EGFR^{L858R/T790M}$, respectively. EGFR-IN-55 arrests NCI-H1975 cells in G0/G1 phase and shows anticancer activity[1].	
IC_{50} & Target	$EGFR^{L858R/T790M}$ 3.9 nM (IC_{50})	$EGFR^{WT}$ 70 nM (IC_{50})

REFERENCES

[1]. Shao J, et al. Design, synthesis and SAR study of 2-aminopyrimidines with diverse Michael addition acceptors for chemically tuning the potency against EGFRL858R/T790M. Bioorg Med Chem. 2020 Oct 1;28(19):115680.

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