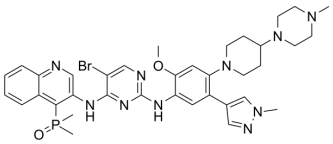
EGFR-IN-21

Cat. No.:	HY-142678
CAS No.:	2648206-31-7
Molecular Formula:	$C_{36}H_{44}BrN_{10}O_2P$
Molecular Weight:	759.68
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-21 is a potent EGFR inhibtior with an IC_{50} of 0.38 nM. EGFR-IN-21 has antitumor activity[1].
IC_{50} & Target	EGFR 0.38 nM (IC_{50})
In Vitro	EGFR-IN-21 inhibits HEK293T cells (IC_{50}=951.51 nM) and PC9 EGFR-Del19/T790M/C797S cells (IC_{50}=135.11 nM)[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	EGFR-IN-21 (1 mg/kg; IV) has a $T_{1/2}$ of 3.33 hours, and a V_{ss} of 0.374 L/kg for female CD-1 mouse[1]. EGFR-IN-21 (5 mg/kg;po) has a $T_{1/2}$ of 3.13 hours, a C_{max} of 2077 ng/ml and an AUC of 7542 h·ng/ml[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Lei Liu, et al. Polyaryl compounds as EGFR kinase inhibitors. WO2021104441.

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