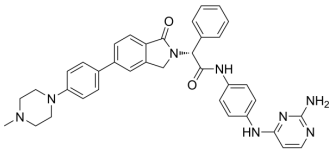
EGFR-IN-97

Cat. No.:	HY-157432
CAS No.:	3020681-05-1
Molecular Formula:	$C_{37}H_{36}N_8O_2$
Molecular Weight:	624.73
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-97 (compound 6q) is a EGFR inhibitor. EGFR-IN-97 shows inhibitory activity against Ba/F3-EGFR$^{L858R/T790M/C797S}$ and Ba/F3-EGFR$^{Del19/T790M/C797S}$ cells, with IC_{50} values of 0.42 μM and 0.41 μM, respectively. EGFR-IN-97 can promote apoptosis of NCI-H1975-EGFR$^{L858R/T790M/C797S}$ cells at the concentration of 0.8 μM[1].
In Vitro	EGFR-IN-97 (compound 6q) shows excellent activity against mutant NSCLC cell line NCI-H1975-EGFR$^{L858R/T790M/C797S}$ cells, with IC_{50} value of 0.82 μM, which was superior to that of osimertinib (HY-15772) (IC_{50} = 2.94 μM), JBJ-04-125-02 (HY-135805) (IC_{50} = 3.66 μM), and coadministration of JBJ-04-125-02 and osimertinib (IC_{50} = 1.25 μM)[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hu L, et al. Identification of novel aminopyrimidine derivatives for the treatment of mutant NSCLC. Eur J Med Chem. 2023 Dec 20;265:116074.

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