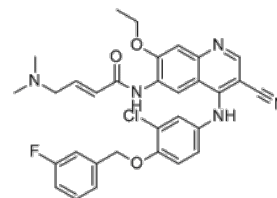


Product Name : HKI-357
Cat. No. : PC-38733
CAS No. : 848133-17-5
Molecular Formula : C₃₁H₂₉ClFN₅O₃
Molecular Weight : 574.05
Target : EGFR
Solubility : 10 mM in DMSO



Biological Activity

HKI-357 is a potent, irreversible inhibitor of ErbB2 (**HER2**) and **EGFR** with IC₅₀ values of 33 and 34 nM respectively.

HKI-357 inhibits ligand-induced EGFR autophosphorylation and cell proliferation in NCI-H1975 cells containing L858R and T790M mutations.

HKI-357 demonstrate increased killing of NSCLC cells harboring an EGFR mutation, compared with cells expressing wild-type receptor.

HKI-357 is 10-fold more effective than gefitinib in suppressing EGFR autophosphorylation (measured at residue Y1068), and AKT and MAPK phosphorylation in parental NCI-H1650 cells harboring the delE746-A750 EGFR mutation.

References

Eunice L Kwak, et al. *Proc Natl Acad Sci U S A*. 2005 May 24;102(21):7665-70.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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