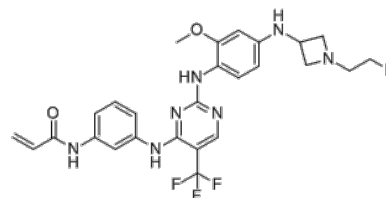


Product Name : CNX2006
Cat. No. : PC-38035
CAS No. : 1375465-09-0
Molecular Formula : C₂₆H₂₇F₄N₇O₂
Molecular Weight : 545.53
Target : EGFR
Solubility : 10 mM in DMSO



Biological Activity

CNX2006 (CNX-2006) is a potent, covalent, mutant-selective **EGFR** inhibitor with IC₅₀ of <20 nM, weak inhibition at wild-type EGFR.

CNX2006 inhibits the phosphorylation of EGFR-T790M alone or the T790M mutation in cis with activating mutations with IC₅₀ of 46 and 61 nM in NSCLC cell lines NCI-H1975 and PC9GR4, respectively.

CNX-2006 affected the WT-EGFR only at concentrations 10-fold higher than the ones necessary to inhibit mutated receptor.

CNX-2006 is also active against rare EGFR mutations, including EGFR-G719S, -ex19ins (I744-K745insKIPVAI), -L861Q, -ex20ins (H773-V774HVDup), and -T854A.

CNX-2006 inhibits mutant-EGFR cell proliferation by inducing apoptosis in vitro. CNX-2006 inhibits EGFR-T790M tumor growth in vivo.

References

Galvani E, et al. *Oncotarget*. 2015 Dec 15;6(40):42717-32.

Mizuuchi H, et al. *Cancer Sci*. 2016 Apr;107(4):461-8.

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

E-mail: tech@probechem.com