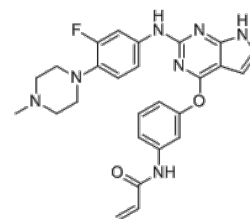


Product Name : Avitinib
Cat. No. : PC-61449
CAS No. : 1557267-42-1
Molecular Formula : C₂₆H₂₆FN₇O₂
Molecular Weight : 487.539
Target : EGFR
Solubility :



Biological Activity

Avitinib (AC-0010, AC0010) is an orally available, irreversible, and **mutant-selective EGFR** inhibitor with IC₅₀ of 0.18 nM against EGFR L858R/T790M; displays 43-fold greater potency over wild-type EGFR (IC₅₀=7.68 nM); selectively inhibits mutant EGFR phosphorylation (IC₅₀ =7.3 nM and 2.8 nM) in NCI-H1975 and NIH/3T3_TC32T8 cells, 115- and 298-fold more sensitive than that of the inhibition of wild type EGFR in A431; overcomes T790M-induced resistance in animal models and lung cancer patients without hyperglycemia or other severe adverse effects.

Lung Cancer
Phase 2 Clinical

References

- Xu X, et al. *Mol Cancer Ther.* 2016 Nov;15(11):2586-2597.
Wang W, et al. *J Pharm Biomed Anal.* 2017 May 30;139:205-214.

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

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