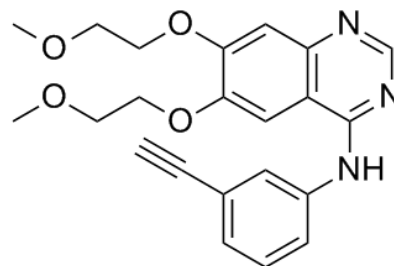


Product Name : Erlotinib
Cat. No. : PC-45893
CAS No. : 183321-74-6
Molecular Formula : C₂₂H₂₃N₃O₄
Molecular Weight : 393.4357
Target : EGFR
Solubility : 10 mM in DMSO



Biological Activity

A potent, selective inhibitor of EGFR with IC₅₀ of 2 nM; reduces EGFR autophosphorylation in intact tumor cells with an IC₅₀ of 20 nM; inhibits the proliferation of DiFi human colon tumor cells at submicromolar concentrations in cell culture and blocks cell cycle progression at the G1 phase; 100mg/kg completely prevents EGF-induced autophosphorylation of EGFR in human HN5 tumors growing as xenografts in athymic mice and of the hepatic EGFR of the treated mice; orally active.

Lung Cancer
Approved

References

- Ng SS, et al. Mol Cancer Ther. 2002 Aug;1(10):777-83.
Moyer JD, et al. Cancer Res. 1997 Nov 1;57(21):4838-48.
Pollack VA, et al. J Pharmacol Exp Ther. 1999 Nov;291(2):739-48.

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

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