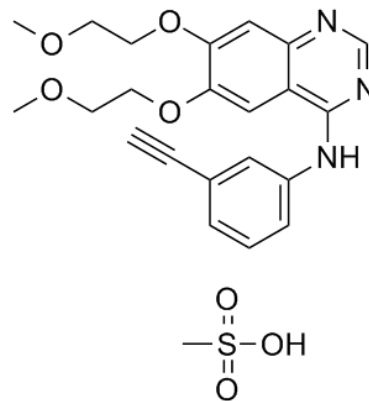


Product Name : Erlotinib mesylate
Cat. No. : PC-42823
CAS No. : 248594-19-6
Molecular Formula : C₂₃H₂₇N₃O₇S
Molecular Weight : 489.5414
Target : EGFR
Solubility : 10 mM in DMSO



Biological Activity

Erlotinib mesylate (CP-358774, OSI-774, NSC 718781) is a potent, selective inhibitor of **EGFR** with IC₅₀ of 2 nM.

Erlotinib reduces EGFR autophosphorylation in intact tumor cells with an IC₅₀ of 20 nM.

Erlotinib inhibits the proliferation of DiFi human colon tumor cells at submicromolar concentrations in cell culture and blocks cell cycle progression at the G1 phase.

Erlotinib 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.

References

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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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