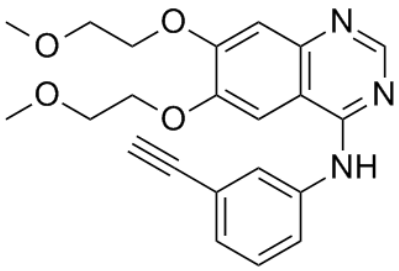
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Erlotinib
Cat. No.	:	PC-45893
CAS No.	:	183321-74-6
Molecular Formula	:	$C_{22}H_{23}N_3O_4$
Molecular Weight	:	393.4357
Target	:	EGFR
Solubility	:	10 mM in DMSO



Biological Activity

Erlotinib (OSI-744; R-1415; CP-358774) 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

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.

E-mail: tech@probechem.com