

Product Name : Erlotinib
Synonyms : NSC-718781; OSI-744; R-1415; CP-358774

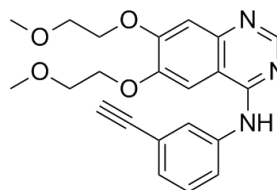
Cat No. : M12829

CAS Number : 183321-74-6

Molecular Formula : C₂₂H₂₃N₃O₄

Formula Weight : 393.44

Chemical Name : 4-Quinazolinamine, N-(3-ethynylphenyl)-6,7-bis(2-methoxyethoxy)-



Description : 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 HIN5 tumors growing as xenografts in athymic mice and of the hepatic EGFR of the treated mice; orally active. Lung Cancer Approved

Pathway : Angiogenesis

Target : EGFR

Receptor : EGFR

Solubility : 10 mM in DMSO

SMILES : COCCOC1=C(OCCOC)C=C2C(NC3=CC=CC(=C3)C#C)=NC=NC2=C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Ng SS, et al. Mol Cancer Ther. 2002 Aug;1(10):777-83. 2. Moyer JD, et al. Cancer Res. 1997 Nov 1;57(21):4838-48. 3. Pollack VA, et al. J Pharmacol Exp Ther. 1999 Nov;291(2):739-48.