

Erlotinib HCl, EGFR Kinase inhibitor

Catalog	Unit
TBI2135-10MG	10 mg
TBI2135-100MG	100 mg

Product Details

Formal Name: N-(3-Ethynylphenyl)-6,7-bis(2-methoxyethoxy)quinazolin-4-amine hydrochloride

Molecular Formula: C₂₂H₂₃N₃O₄ · HCl

Formula Weight: 429.91

CAS Number: 183319-69-9

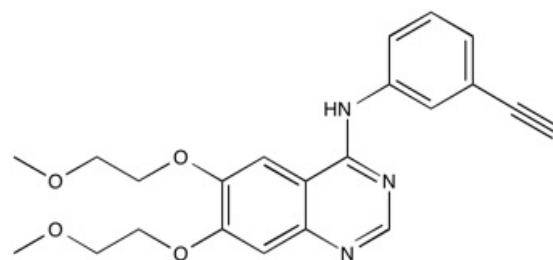
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 18 mg/ml with warming).

Storage: -20°C

Stability: ≥ 1 year.



Applications

EGFR Kinase inhibitor

Functions

Potent inhibitor of EGFR tyrosine kinase (IC₅₀ = 2 nM). Potent inhibitor of mutant JAK2-V617F. Weaker inhibitor of ErbB-2 kinase (K_i = 1 μM) ErbB-4 kinase (K_i = 1.5 μM). HDAC inhibitors sensitize for erlotinib activity in EGFR-mutated and wildtype non-small cell lung cancer (NSCLC) cells. A clinically effective agent for NSCLC.

Application Procedures

First dissolved in DMSO (up to 18 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.