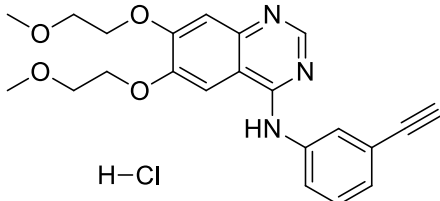




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100300	Erlotinib hydrochloride	EOS50121

Chemical name	
N-(3-Ethynylphenyl)-6,7-bis(2-methoxyethoxy)-4-quinazolinamine hydrochloride	
Synonyms	
US brand name: Tarceva. Code names: CP-358,774; OSI-774	
Chemical structure	CAS# and Theoretical analysis
 <p>H-Cl</p>	MedKoo Cat#: 100300 Name: Erlotinib hydrochloride CAS#: 183319-69-9 Lot#: EOS50121 Chemical Formula: C ₂₂ H ₂₄ ClN ₃ O ₄ Molecular Weight: 429.9 <i>Erlotinib fee base</i> Chemical Formula: C ₂₂ H ₂₃ N ₃ O ₄ Exact Mass: 393.16886; Molecular Weight: 393.44

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in DMSO at 18 mg/mL with warming; very poorly soluble in ethanol; very poorly soluble in water; maximum solubility in plain water is estimated to be about 5-20 μM
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE