

Catalog	Unit
TBI4510-10MG	10mg
TBI4510-50MG	50mg

Product Details

Formal Name: N-[4-[(3-Chloro-4-fluorophenyl)amino]-7-[[[(3S)-tetrahydro-3-furanyl]oxy]-6-quinazoliny]-4(dimethylamino)-2E-butenamide

Alternate Names: BIBW2992

Molecular Formula: C₂₄H₂₅ClFN₅O₃

Formula Weight: 485.94

CAS Number: 439081-18-2

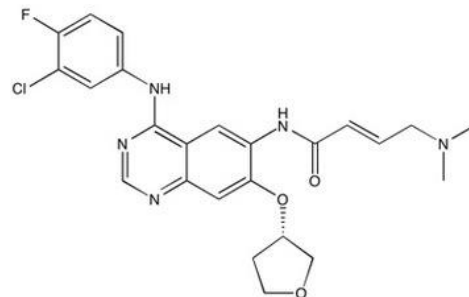
Purity: >97%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

EGFR and HER2 inhibitor

Functions

Afatinib is a clinically useful kinase inhibitor approved for the treatment of non-small cell lung cancer. It is a potent and highly selective inhibitor of mutant and wild-type EGFR (IC₅₀ = 0.5 nM) and HER2 (IC₅₀ = 14 nM).

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or Ethanol may be stored at -20°C for up to 2 months.

For research use only.