

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

Product Details

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

Alternate Names: BIBW2992

Molecular Formula: C₂₄H₂₅ClFN₅O₃

Formula Weight: 485.9

CAS Number: 850140-72-6

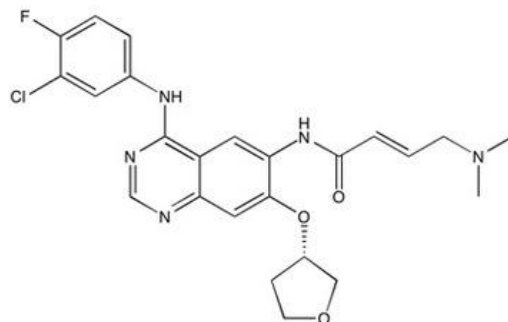
Purity: >98%

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

Second-generation irreversible inhibitor of mutant and wild-type EGFR (IC₅₀ = 0.5 nM) and HER2 (IC₅₀ = 14 nM). Inhibits ErbB-4 (EC₅₀ = 1 nM), and at concentrations below 100 nM attenuates the proliferation of cancer cell lines driven by multiple ErbB receptor aberrations.

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 3 months.

For research use only.