

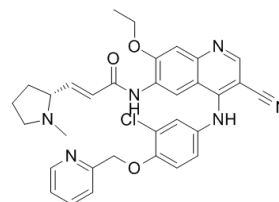
Product Name : Pyrotinib
Synonyms : SHR-1258; SHR1258

Cat No. : M11130

CAS Number : 1269662-73-8

Molecular Formula : C₃₂H₃₁ClN₆O₃

Formula Weight : 583.09



Chemical Name : (R,E)-N-4-((3-chloro-4-(pyridin-2-ylmethoxy)phenyl)amino)-3-cyano-7-ethoxyquinolin-6-yl)-3-(1-methylpyrrolidin-2-yl)acrylamide

Description : Pyrotinib (SHR-1258) is a potent and selective EGFR/HER2 dual inhibitor with IC₅₀ of 13/38 nM, respectively; displays high selectivity in a panel of different kinases such as KDR, c-Kit, PDGFR β , c-Src and c-Met (c-Src with an IC₅₀ of 790 nM, and others >3,000 nM); exhibits robust anti-tumor effects on HER2-overexpressing xenograft models and sufficiently safety windows in animals as well as favorable pharmacokinetic properties in human. Breast Cancer Phase 3 Clinical

Pathway : Angiogenesis

Target : EGFR

Receptor : EGFR

Solubility : DMSO : 0.172 mg/mL 0.29 mM

SMILES : CCOC1=C(C(=C2C(=C1)N=CC(=C2NC3=CC(=C(C=C3)OCC4=CC=CC=N4)Cl)C#N)NC(=O)C=CC5CCCN5C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Li X, et al. Eur J Pharm Sci. 2017 Jan 21. pii: S0928-0987(17)30043-X.