

Product Name : AST-1306

Synonyms : —

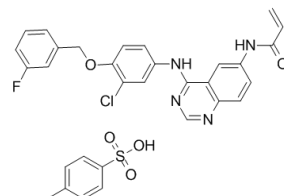
Cat No. : M10245

CAS Number : 1050500-29-2

Molecular Formula : C₃₁H₂₆ClFN₄O₅S

Formula Weight : 621.08

Chemical Name : —



Description : AST-1306 is a novel irreversible inhibitor of EGFR and ErbB2 with IC₅₀ of 0.5 nM and 3 nM, also effective in mutation EGFR T790M/L858R, more potent to ErbB2-overexpressing cells, 3000-fold selective for ErbB family than other kinases,

Pathway : Angiogenesis

Target : EGFR

Receptor : EGFR; EGFR (T790M/L858R); HER2/ErbB2; HER2/ErbB2; FLT1

Solubility : DMSO: 124 mg/mL (199.65 mM); Ethanol: <1 mg/mL (<1 mM); Water: <1 mg/mL (<1 mM)

SMILES : CC1=CC=C(C(=C1)S(=O)(=O)O)C1=CC(COC2=CC=C(NC3=C4C=C(NC(=O)C=C)C=CC4=NC=N3)C=C2Cl)=CC=C1
 [c:3,5,22,31,34,36,39,42,44,t:1,12,17,19,24]

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Xie H, et al. PLoS One. 2011, 6(7), e21487.