

Product Information

EGFR-HER2 inhibitor AST-1306, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ1052

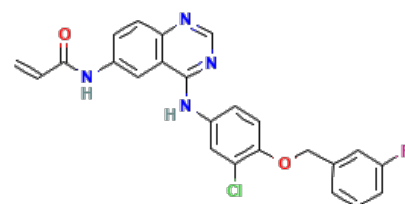
Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 897383-62-9

Compound CID: 24739943

Synonym: AST-1306; Allitinib; 897383-62-9; AST1306; AST 1306; N

-(4-(3-chloro-4-(3-fluorobenzyloxy)phenylamino)quinazolin-6-yl)acrylamide; EGFR-HER2 inhibitor



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	AST-1306 is a potent and specific inhibitor of the tyrosine kinase activity of EGFR. It targets EGFR, EGFR (L858R/T790M), ErbB2, and ErbB4.
Molecular Weight	448.9
Molecular Formula	C ₂₄ H ₁₈ ClFN ₄ O ₂
Targets	EGFR: 0.5 nM; EGFR (L858R/T790M): 12 nM; ErbB2: 3 nM; ErbB4: 0.8 nM
IUPAC Name	N-[4-[3-Chloro-4-[(3-fluorophenyl)methoxy]anilino]quinazolin-6-yl]prop-2-enamide
InChI	InChI=1S/C24H18ClFN4O2/c1-2-23(31)29-17-6-8-21-19(11-17)24(28-14-27-21)30-18-7-9-22(20(25)12-18)32-13-15-4-3-5-16(26)10-15/h2-12,14H,1,13H2,(H,29,31)(H,27,28,30)
InChI Key	MVZGYPSXNDCANY-UHFFFAOYSA-N
Canonical SMILES	C=CC(=O)NC1=CC2=C(C=C1)N=CN=C2NC3=CC(=C(C=C3)OCC4=CC(=CC=C4)F)Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	AST-1306 can be used as an irreversible inhibitor of EGFR for research into cancer therapy.
Storage	Store at -20°C.