

Product Information

EGFR-HER2 inhibitor WZ3146, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ1044

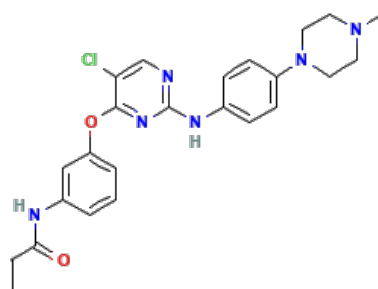
Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 1214265-56-1

Compound CID: 44607360

Synonym: 1214265-56-1; WZ3146; WZ-3146; N

-(3-((5-Chloro-2-((4-(4-methylpiperazin-1-yl)phenyl)amino)pyrimidin-4-yl)oxy)phenyl)acrylamide; EGFR-HER2 inhibitor



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

Product Information

Description	WZ3146, soluble in DMSO and insoluble in ethanol and water, is a potent and specific inhibitor of the tyrosine kinase activity of EGFR. It targets EGFR (E746_A750), EGFR (E746_A750/T790M), EGFR (L858R), and EGFR (L858R/T790M).
Molecular Weight	465
Molecular Formula	C ₂₄ H ₂₅ ClN ₆ O ₂
Targets	EGFR (E746_A750): 2 nM; EGFR (E746_A750/T790M): 14 nM; EGFR (L858R): 2 nM; EGFR (L858R/T790M): 5 nM
IUPAC Name	N-[3-[5-Chloro-2-[4-(4-methylpiperazin-1-yl)anilino]pyrimidin-4-yl]oxyphenyl]prop-2-enamide
InChI	InChI=1S/C24H25ClN6O2/c1-3-22(32)27-18-5-4-6-20(15-18)33-23-21(25)16-26-24(29-23)28-17-7-9-19(10-8-17)31-13-11-30(2)12-14-31/h3-10,15-16H,1,11-14H2,2H3,(H,27,32)(H,26,28,29)
InChI Key	APHGZZPEOCCYNO-UHFFFAOYSA-N
Canonical SMILES	CN1CCN(CC1)C2=CC=C(C=C2)NC3=NC=C(C(=N3)OC4=CC=CC(=C4)NC(=O)C=C)Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 83 mg/mL (178.51 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	WZ3146 can be used to inhibit mutant EGFR (T790M) for drug resistance research in cancer.
Storage	Store at -20°C.



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