CD BioGlyco
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Product Information

EGFR-HER2 inhibitor Pelitinib, Purity ≥98%

Cat. No.: X23-10-ZQ1043

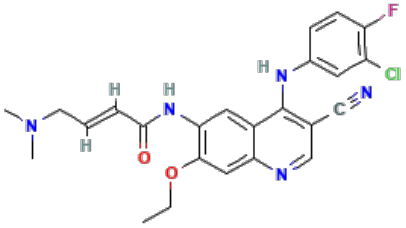
Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD09837868

CAS Number: 257933-82-7

Compound CID: 6445562

Synonym: Pelitinib; 257933-82-7; EKB-569; Pelitinib (EKB-569); WAY-EKB 569; EKB 569; 326894-84-2; EGFR-HER2 inhibitor



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

Product Information

Description	Pelitinib, soluble in DMSO and insoluble in ethanol and water, is a potent and specific inhibitor of the tyrosine kinase activity of EGFR. It targets MEK/ERK, Src, c-Met, and CDK4.
Molecular Weight	467.9
Molecular Formula	$C_{24}H_{23}ClFN_5O_2$
Targets	MEK/ERK: 800 nM; Src: 282 nM; c-Met: 4.1 μM; CDK4: >20 μM
IUPAC Name	(*E*)-*N*-[4-(3-Chloro-4-fluoroanilino)-3-cyano-7-ethoxyquinolin-6-yl]-4-(dimethylamino)but-2-enamide
InChI	InChI=1S/C24H23ClFN5O2/c1-4-33-22-12-20-17(11-21(22)30-23(32)6-5-9-31(2)3)24(15(13-27)14-28-20)29-16-7-8-19(26)18(25)10-16/h5-8,10-12,14H,4,9H2,1-3H3,(H,28,29)(H,30,32)/b6-5+
InChI Key	WVUNYSQLFKLYNI-AATRIKPKSA-N
Canonical SMILES	CCOC1=C(C=C2C(=C1)N=CC(=C2NC3=CC(=C(C=C3)F)Cl)C#N)NC(=O)C=CCN(C)C
Isomeric SMILES	CCOC1=C(C=C2C(=C1)N=CC(=C2NC3=CC(=C(C=C3)F)Cl)C#N)NC(=O)/C=C/CN(C)C
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 12 mg/mL (25.64 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	Pelitinib can be used to irreversibly inhibit EGFR for oncology research.
Storage	Store at -20ºC.

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