

Product Information

VEGFR inhibitor Vandetanib HCl, Purity ≥98%

Cat. No.: X24-06-ZQ270

Size: 50 mg; 100 mg; 200 mg; 500 mg

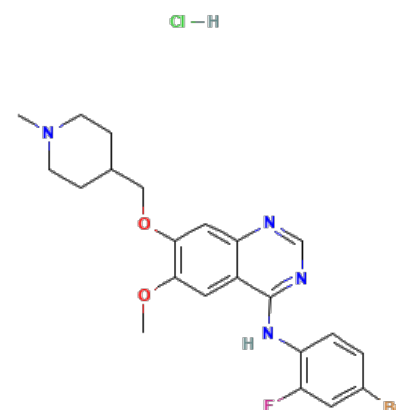
CAS Number: 524722-52-9

Compound CID: 23133323

Synonym: 524722-52-9; VEGFR inhibitor; Zactima hydrochloride; ZD6474

hydrochloride; ZD-6474 hydrochloride; ZD 6474 hydrochloride

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



Product Information

Description	Vandetanib HCl is a protein tyrosine kinase inhibitor that has shown potent biochemical activity against VEGFR. It targets EGFR/HER1, VEGFR2, and VEGFR3.
Molecular Weight	511.81
Molecular Formula	C ₂₂ H ₂₅ BrClFN ₄ O ₂
Targets	EGFR/HER1: 500 nM; VEGFR2: 40 nM; VEGFR3: 110 nM
IUPAC Name	<i>N</i> -(4-bromo-2-fluorophenyl)-6-methoxy-7-[(1-methylpiperidin-4-yl)methoxy]quinazolin-4-amine;hydrochloride
InChI	InChI=1S/C22H24BrFN4O2.ClH/c1-28-7-5-14(6-8-28)12-30-21-11-19-16(10-20(21)29-2)22(26-13-25-19)27-18-4-3-15(23)9-17(18)24;/h3-4,9-11,13-14H,5-8,12H2,1-2H3,(H,25,26,27);1H
InChI Key	KVBQCJXMSFJOFU-UHFFFAOYSA-N
Canonical SMILES	CN1CCC(CC1)COC2=C(C=C3C(=C2)N=CN=C3NC4=C(C=C(C=C4)Br)F)OC.Cl
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	Vandetanib HCl is utilized in studies focusing on VEGFR inhibition, important for developing new cancer therapies.



Storage

Store at -20°C, and keep desiccated.
