

Product Information

VEGFR inhibitor Vandetanib, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ269

Size: 25 mg; 50 mg; 100 mg; 500 mg

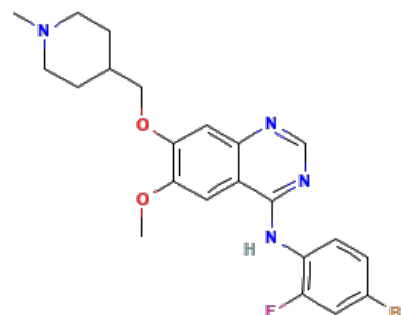
MDL: MFCD07772346

CAS Number: 443913-73-3

Compound CID: 3081361

Synonym: 443913-73-3; VEGFR inhibitor; ZD6474

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



Product Information

Description	Vandetanib, soluble in DMSO and insoluble in ethanol and water, is a protein tyrosine kinase inhibitor that has shown potent biochemical activity against VEGFR. It targets VEGFR2.
Molecular Weight	475.4
Molecular Formula	C ₂₂ H ₂₄ BrFN ₄ O ₂
Targets	VEGFR2: 40 nM
IUPAC Name	<i>N</i> -(4-bromo-2-fluorophenyl)-6-methoxy-7-[(1-methylpiperidin-4-yl)methoxy]quinazolin-4-amine
InChI	InChI=1S/C22H24BrFN4O2/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)
InChI Key	UHTHHESEBZOYNR-UHFFFAOYSA-N
Canonical SMILES	CN1CCC(CC1)COC2=C(C=C3C(=C2)N=CN=C3NC4=C(C=C(C=C4)Br)F)OC
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 4 mg/mL (8.41 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.
Quality Level	Research grade
Applications	Vandetanib is applied to explore the inhibition of VEGFR pathways and its implications in cancer treatment.
Storage	Store at -20°C, and keep desiccated.

