

Product Name : Vandetanib

Synonyms : ZD6474

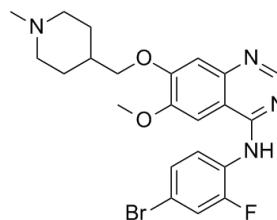
Cat No. : M14519

CAS Number : 443913-73-3

Molecular Formula : C₂₂H₂₄BrFN₄O₂

Formula Weight : 475.31

Chemical Name : —



Description : Vandetanib is an orally bioavailable 4-anilinoquinazoline. Vandetanib selectively inhibits the tyrosine kinase activity of vascular endothelial growth factor receptor 2 (VEGFR2), thereby blocking VEGF-stimulated endothelial cell proliferation and migration and reducing tumor vessel permeability. This agent also blocks the tyrosine kinase activity of epidermal growth factor receptor (EGFR), a receptor tyrosine kinase that mediates tumor cell proliferation and migration and angiogenesis.

Pathway : Angiogenesis

Target : EGFR

Receptor : EGFR; VEGFR2; VEGFR3

Solubility : DMSO: 4 mg/mL (8.41 mM)

SMILES : COC1=C(OCC2CCN(C)CC2)C=C2N=CN=C(NC3=C(F)C=C(Br)C=C3)C2=C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Wedge SR, et al. Y Res. 2002, 62(16), 4645-4655.