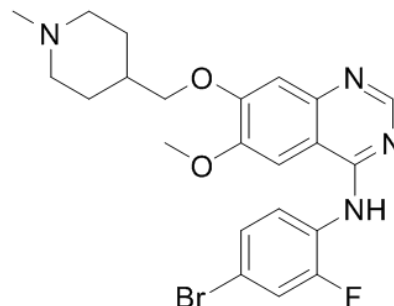


Product Name : Vandetanib
Cat. No. : PC-42496
CAS No. : 443913-73-3
Molecular Formula : C₂₂H₂₄BrFN₄O₂
Molecular Weight : 475.354
Target : VEGFR
Solubility : DMSO: 27.5 mg/mL



Biological Activity

Vandetanib (ZD6474) is a potent and selective **VEGFR2** (KDR) inhibitor with IC₅₀ of 40 nM. Vandetanib (ZD6474) shows weak inhibition for VEGFR3 and EGFR (IC₅₀ is 100 nM and 500 nM respectively). Vandetanib (ZD6474) displays excellent selectivity over erbB2, MEK, CDK-2, Tie-2, IGFR-1R, PDK, PDGFRβ, and Akt (IC₅₀=1.1-100 μM). Vandetanib (ZD6474) has excellent solubility and good oral bioavailability.

References

- Hennequin LF, et al. *J Med Chem.* 2002 Mar 14;45(6):1300-12.
Wedge SR, et al. *Cancer Res.* 2002 Aug 15;62(16):4645-55.
Carlomagno F, et al. *Cancer Res.* 2002 Dec 15;62(24):7284-90.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com