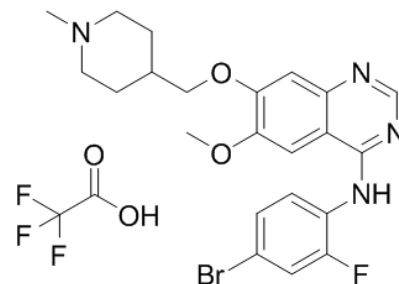


Product Name : Vandetanib trifluoroacetate
Cat. No. : PC-42497
CAS No. : 338992-53-3
Molecular Formula : C₂₄H₂₅BrF₄N₄O₄
Molecular Weight : 589.3773
Target : VEGFR
Solubility : 10 mM in DMSO



Biological Activity

A potent and selective VEGFR2 (KDR) inhibitor with IC₅₀ of 40 nM; shows weak inhibition for VEGFR3 and EGFR (IC₅₀ is 100 nM and 500 nM respectively); displays excellent selectivity over erbB2, MEK, CDK-2, Tie-2, IGFR-1R, PDK, PDGFR β , and Akt (IC₅₀=1.1-100 μ M); has excellent solubility and good oral bioavailability.

Thyroid Cancer

Approved

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