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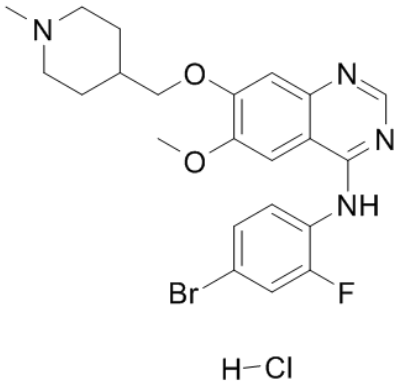
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Vandetanib hydrochloride
Cat. No.	:	PC-42498
CAS No.	:	524722-52-9
Molecular Formula	:	$C_{22}H_{25}BrClFN_4O_2$
Molecular Weight	:	511.8149
Target	:	VEGFR
Solubility	:	10 mM in DMSO



Biological Activity

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

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