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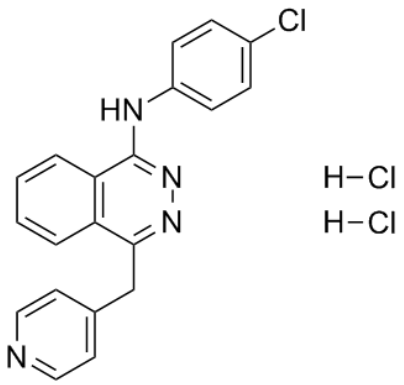
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Vatalanib
Cat. No.	:	PC-42834
CAS No.	:	212141-51-0
Molecular Formula	:	$C_{20}H_{17}Cl_3N_4$
Molecular Weight	:	419.7348
Target	:	VEGFR
Solubility	:	10 mM in DMSO



Biological Activity

Vatalanib (PTK787) is a potent, orally available class III receptor tyrosine kinases inhibitor with IC50 of <1 uM for **VEGFR, Flt-1, KDR and PDGFRβ**.
Vatalanib (PTK787) shows no activity against EGFR, FGFR-1, c-Met, and Tie-2, or c-Src, c-Abl, and PKC-α.
Vatalanib (PTK787) blocks the VEGF-induced receptor autophosphorylation in CHO cells ectopically expressing the KDR receptor with IC50 of 34 nM.
Vatalanib (PTK787) inhibits EGF and PDGF-induced angiogenesis in a growth factor implant model (25-100 mg/kg).

References

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Wood JM, et al. ***Cancer Res.*** 2000 Apr 15;60(8):2178-89.

Drevs J, et al. ***Cancer Res.*** 2000 Sep 1;60(17):4819-24.

Hess C, et al. ***Br J Cancer.*** 2001 Dec 14;85(12):2010-6.

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