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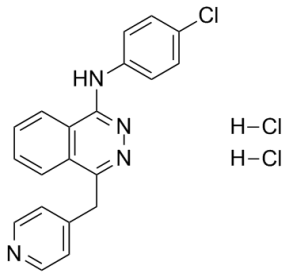
Datasheet (Version 1.0)

Product Name	:	Vatalanib
Synonyms	:	PTK787;PTK/ZK;CGP-79787D;CGP-79787;ZK-222584
Cat No.	:	M13374
CAS Number	:	212141-51-0
Molecular Formula	:	C20H17Cl3N4
Formula Weight	:	419.73



Chemical Name	:	1-Phthalazinamine, N-(4-chlorophenyl)-4-(4-pyridinylmethyl)-, hydrochloride (1:2)
Description	:	A potent, orally available class III receptor tyrosine kinases inhibitor with IC50 of <1 uM for VEGFR, Flt-1, KDR and PDGFRβ; shows no activity against EGFR, FGFR-1, c-Met, and Tie-2, or c-Src, c-Abl, and PKC-α; blocks the VEGF-induced receptor autophosphorylation in CHO cells ectopically expressing the KDR receptor with IC50 of 34 nM; inhibits EGF and PDGF-induced angiogenesis in a growth factor implant model (25-100 mg/kg).Ovarian Cancer Phase 1 Discontinued
Pathway	:	Angiogenesis
Target	:	VEGFR
Receptor	:	PDGFRβ;VEGFR1/FLT1;VEGFR2/Flk1;VEGFR2/KDR;VEGFR3/FLT4
Solubility	:	10 mM in DMSO
SMILES	:	ClC1=CC=C(NC2=NN=C(CC3=CC=NC=C3)C4=C2C=CC=C4)C=C1.[H]Cl.[H]Cl
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

1. Bold G, et al. J Med Chem. 2000 Jun 15;43(12):2310-23.| 2. Wood JM, et al. Cancer Res. 2000 Apr 15;60(8):2178-89.| 3. Drevs J, et al. Cancer Res. 2000 Sep 1;60(17):4819-24.| 4. Hess C, et al. Br J Cancer. 2001 Dec 14;85(12):2010-6.