



Product Information

VEGFR inhibitor Vatalanib 2HCl, Purity ≥98%

Cat. No.: X24-06-ZQ271

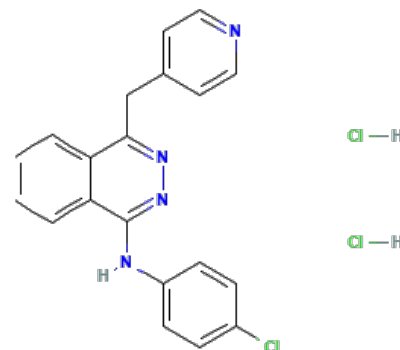
Size: 10 mg; 50 mg; 100 mg; 200 mg

CAS Number: 212141-51-0

Compound CID: 22386467

Synonym: 212141-51-0; VEGFR inhibitor; Vatalanib; PTK787; PTK/ZK

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Vatalanib 2HCl, soluble in DMSO, water and ethanol, is a protein tyrosine kinase inhibitor that has shown potent biochemical activity against VEGFR. It targets VEGFR1/FLT1, VEGFR2/Fik1, c-Fms, c-Kit, PDGFRβ, VEGFR2/KDR, and VEGFR3/FLT4.
Molecular Weight	419.7
Molecular Formula	C ₂₀ H ₁₇ Cl ₃ N ₄
Targets	VEGFR1/FLT1: 77 nM; VEGFR2/Fik1: 270 nM; c-Fms: 1.4 μM; c-Kit: 730 nM; PDGFRβ: 580 nM; VEGFR2/KDR: 37 nM; VEGFR3/FLT4: 660 nM
IUPAC Name	<i>N</i> -(4-chlorophenyl)-4-(pyridin-4-ylmethyl)phthalazin-1-amine;dihydrochloride
InChI	InChI=1S/C20H15ClN4.2ClH/c21-15-5-7-16(8-6-15)23-20-18-4-2-1-3-17(18)19(24-25-20)13-14-9-11-22-12-10-14;;/h1-12H,13H2,(H,23,25);2*1H
InChI Key	AZUQEHCM DUSRLH-UHFFFAOYSA-N
Canonical SMILES	<chem>C1=CC=C2C(=C1)C(=NN=C2NC3=CC=C(C=C3)Cl)CC4=CC=NC=C4.Cl.Cl</chem>
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 77 mg/mL (183.45 mM); Water: 9 mg/mL (21.44 mM); Ethanol: 5 mg/mL (11.91 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	Vatalanib 2HCl is employed in research to block VEGFR, crucial for understanding its role in tumor angiogenesis and growth.



Storage

Store at -20°C, and keep desiccated.
