Product Data Sheet

Product Name: Vatalanib succinate
Cat. No.: GC50233

Chemical Properties

Cas. No.	212142-18-2		
SMILES	ClC(C=C1)=CC=C1NC2=NN=C(CC3=CC=NC=C3)C4=CC=CC=C42.OC(CCC(O)=O)=O		
Formula	$C_{20}H_{15}ClN_4.C_4H_6O_4$	M.Wt	464.9
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	Vatalanib succinate		

Background

Potent VEGFR inhibitor (IC50 values are 37 and 77 nM for VEGFR-2 and -1, respectively). Inhibits proliferation, migration and survival of HUVECs in vitro and inhibits growth, vascularization and metastasis of tumors expressing VEGFR in mouse models. Also inhibits PDGFR-β, c-Kit and c-Fms. Potent aromatase inhibitor (IC50 = 50 nM). Orally available.

Banerjee et al (2009) The vascular endothelial growth factor receptor inhibitor PTK787/ZK222584 inhibits aromatase. Cancer Res. 69 4716 PMID:19435899 |Wood et al (2000) PTK787/ZK 222584, a novel and potent inhibitor of vascular endothelial growth factor receptor tyrosine kinases, impairs vascular endothelial growth factor-induced responses and tumor growth after oral administration. Cancer Res. 60 2178 PMID:10786682 |Bold et al (2000) New anilinophthalazines as potent and orally well absorbed inhibitors of the VEGF receptor tyrosine kinases useful as antagonists of tumor-driven angiogenesis. J.Med.Chem. 43 2310 PMID:10956229

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA