Data Sheet (Cat.No.T37079)

TargetMol

VEGFR2 Kinase Inhibitor II

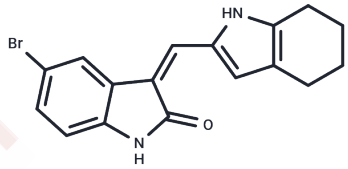
Chemical Properties

CAS No. : 288144-20-7

Formula: C17H15BrN2O

Molecular Weight: 343.22

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Vascular endothelial growth factor receptor 2 (VEGFR2, also known as KDR and FLK1) is a receptor tyrosine kinase that regulates angiogenesis, vascular development, and embryonic hematopoiesis in response to VEGF isoforms A, C, and D. VEGFR2 kinase inhibitor II is a reversible, cell-permeable inhibitor of VEGFR2's kinase activity (IC50 = 70 nM). It less potently inhibits the platelet-derived growth factor receptor β (PDGFRβ; IC50 = 920 nM) and related receptor and non-receptor tyrosine kinases. VEGFR2 kinase inhibitor II blocks the growth of human umbilical vein endothelial cells stimulated with either VEGF or PDGF (IC50s = 110 nM and 2 μM, respectively).
Targets(IC50)	Others,PDGFR,VEGFR

Solubility Information

Solubility	DMF: 20 mg/mL (58.27 mM),Sonication is recommended. DMSO: 10 mg/mL (29.14 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9136 mL	14.5679 mL	29.1358 mL
5 mM	0.5827 mL	2.9136 mL	5.8272 mL
10 mM	0.2914 mL	1.4568 mL	2.9136 mL
50 mM	0.0583 mL	0.2914 mL	0.5827 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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