

ZM323881

Catalog No: tcsc0986



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

193001-14-8

Formula:

$C_{22}H_{18}FN_3O_2$

Pathway:

Protein Tyrosine Kinase/RTK

Target:

VEGFR

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

375.4

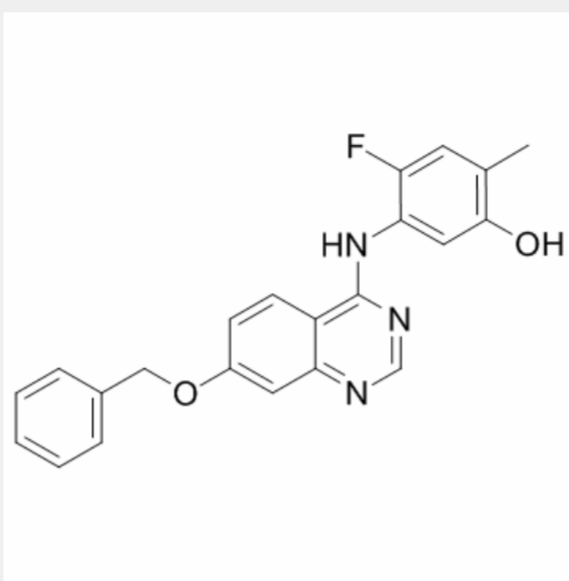
Product Description

ZM323881 is a potent and selective **VEGFR2** inhibitor with an **IC₅₀** of less than 2 nM.

IC50 & Target: IC50: 2 nM (VEGFR2)^[1]

In Vitro: ZM323881 is an anilinoquinazoline that potently inhibits VEGFR2 (KDR) tyrosine kinase activity and demonstrates excellent selectivity versus other receptor tyrosine kinases, including PDGFR β , FGFR1, EGFR and erbB2 (IC₅₀ > 50 μ M). ZM323881 inhibits VEGF-

A-induced endothelial cell proliferation($IC_{50}=8$ nM) and VEGFR2 tyrosine phosphorylation^[1]. ZM323881 inhibits activation of VEGFR-2, but not of VEGFR-1, epidermal growth factor receptor (EGFR), platelet-derived growth factor receptor (PDGFR), or hepatocyte growth factor (HGF) receptor. In HAECs, ZM323881 completely inhibits VEGF-induced ERK phosphorylation at 1 μ M^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!