

ZM323881 (hydrochloride)

Catalog No: tcsc1351



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

193000-39-4

Formula:

$C_{22}H_{19}ClFN_3O_2$

Pathway:

Protein Tyrosine Kinase/RTK

Target:

VEGFR

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 50 mg/mL (121.40 mM); H₂O :

Observed Molecular Weight:

411.86

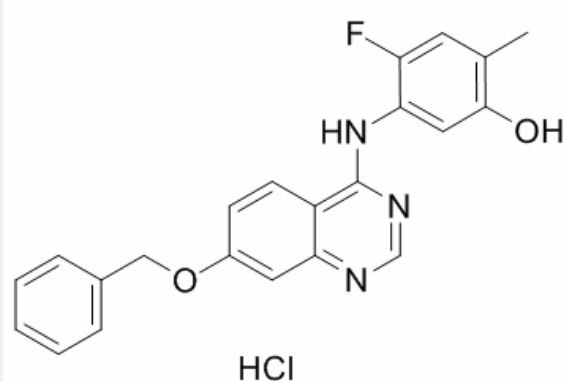
Product Description

ZM323881 hydrochloride 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!