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# 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 **$IC_{50}$** 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 anddemonstrates excellent selectivity versus other receptor tyrosine kinases, including PDGFRβ, FGFR1, EGFR and erbB2 ($IC_{50}$>50 μM). ZM323881 inhibits VEGF-

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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 μM[2]