Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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 **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].