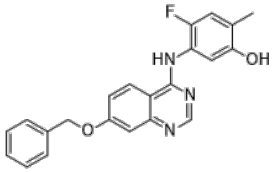
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	ZM323881
Cat. No.	:	PC-28596
CAS No.	:	193001-14-8
Molecular Formula	:	$C_{22}H_{18}FN_3O_2$
Molecular Weight	:	375.40
Target	:	VEGFR
Solubility	:	10 mM in DMSO



Biological Activity

ZM323881 is a potent, specific VEGFR2 inhibitor with IC50 of <2 nM, shows high selectivity over other receptor tyrosine kinases, including VEGFR1.
ZM323881 inhibits VEGF-A-induced endothelial cell proliferation (IC(50) = 8 nM) and VEGF-R2 tyrosine phosphorylation in vitro.
ZM323881 reversibly abolishes VEGF-A-mediated increases in vascular permeability in perfused mesenteric microvessels in vivo.

References

Whittles CE, et al. Microcirculation. 2002 Dec;9(6):513-22.

Salmon AH, et al. J Physiol. 2006 Jan 1;570(Pt 1):141-56.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com