

# ZM 306416

**Catalog No: tcsc1349**



## Available Sizes

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

690206-97-4

**Formula:**

$C_{16}H_{13}ClFN_3O_2$

**Pathway:**

Protein Tyrosine Kinase/RTK

**Target:**

VEGFR

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 50 mg/mL (149.82 mM; Need ultrasonic); H<sub>2</sub>O :

**Alternative Names:**

CB 676475

**Observed Molecular Weight:**

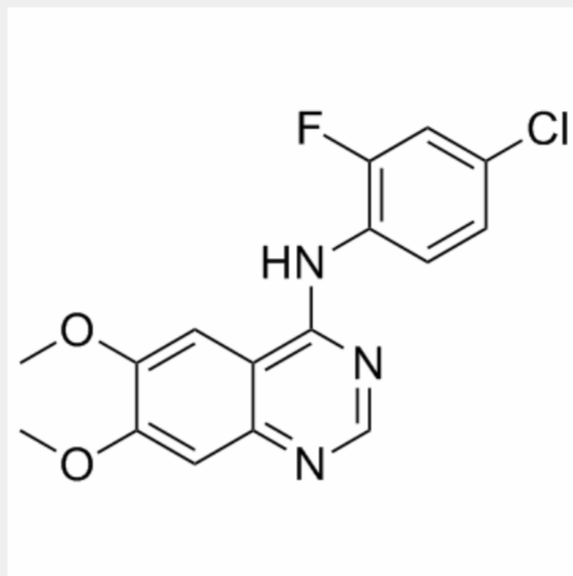
333.74

## Product Description

ZM-306416 (CB 676475) is a potent inhibitor of **VEGFR** with **IC<sub>50</sub>**s of 0.1 and 2 μM for KDR and Flt, respectively. ZM-306416 is also a **EGFR** inhibitor with an **IC<sub>50</sub>** of

IC50 & Target: IC50: 0.1  $\mu$ M (KDR), 2  $\mu$ M (Flt)<sup>[1]</sup>, [2]

**In Vitro:** ZM-306416 selective anti-proliferative effect toward the EGFR addicted NSCLC cell lines H3255 and HCC4011 ( $IC_{50}$  =  $0.09 \pm 0.007$   $\mu$ M and  $0.072 \pm 0.001$   $\mu$ M respectively), while sparing the wild type EGFR cell lines A549 and H2030 ( $IC_{50} > 10$   $\mu$ M). ZM-306416 is also found to inhibit the ABL *in vitro* kinase activity with a less potent  $IC_{50}$  value of  $1.3 \pm 0.2$   $\mu$ M toward the ABL kinase<sup>[2]</sup>.



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