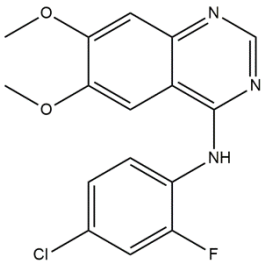
ZM306416

09/19

ALTERNATE NAMES: N-(4-chloro-2-fluorophenyl)-6,7-dimethoxyquinazolin-4-amine; 4-[(4'-Chloro-2'-fluoro)phenylamino]-6,7-dimethoxyquinazoline; CB-676475

CATALOG #:
B2915-5 5 mg
B2915-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{16}H_{13}ClFN_3O_2$

MOLECULAR WEIGHT: 333.74

CAS NUMBER: 690206-97-4

APPEARANCE: A crystalline solid

PURITY: ≥98%

SOLUBILITY:
~20 mg/ml in Ethanol
~50 mg/ml in DMSO and DMF

DESCRIPTION: ZM 306416 is an inhibitor of vascular endothelial growth factor (VEGF) receptor tyrosine kinase. It inhibits the activity of KDR and Flt VEGF receptors with IC_{50} values of 100 nM and 2 µM, respectively. It is also a potent inhibitor of EGFR with an IC_{50} value below 10 nM in a luminescence ADP production kinase assay.

STORAGE TEMPERATURE: -20°C. Store in the dark. Product is light sensitive. Protect from air. Store under desiccating conditions.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCES:

1. Antczak, C., Mahida, J.P., Bhinder, B., et al. A high-content biosensor-based screen identifies cell-permeable activators and inhibitors of EGFR function: Implications in drug discovery. Journal of Biomolecular Screening 17(7), 885-899 (2012).
2. Hennequin, L.F., Thomas, A.P., Johnstone, C., et al. Design and structure-activity relationship of a new class of potent VEGF receptor tyrosine kinase inhibitors. Journal of Medicinal Chemistry 42(26), 5369-5389 (1999).

RELATED PRODUCTS:

Vatalanib, free base (Cat. No. 2026)
Vatalanib, dihydrochloride (Cat. No. 2025)
Toceranib (Cat. No. B1542)
SU-6668 (Cat. No. 1931)
Motesanib (Cat. No. 2022)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***