

## Product Information

### VEGFR inhibitor ZM 306416, Purity $\geq 98\%$

**Cat. No.:** X24-06-ZQ276

**Size:** 10 mg; 25 mg; 50 mg; 100 mg

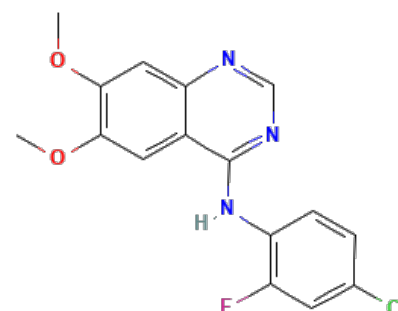
**MDL:** MFCD02683969

**CAS Number:** 690206-97-4

**Compound CID:** 5329006

**Synonym:** 690206-97-4; VEGFR inhibitor; ZM-306416; ZM306416

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	ZM 306416, soluble in DMSO and insoluble in ethanol and water, is a protein tyrosine kinase inhibitor that has shown potent biochemical activity against VEGFR. It targets Abl, Src, and VEGFR1.
<b>Molecular Weight</b>	333.74
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>13</sub> ClFN <sub>3</sub> O <sub>2</sub>
<b>Targets</b>	Abl: 1.3 $\mu$ M; Src: 0.33 $\mu$ M; VEGFR1: 0.33 $\mu$ M
<b>IUPAC Name</b>	<i>N</i> -(4-chloro-2-fluorophenyl)-6,7-dimethoxyquinazolin-4-amine
<b>InChI</b>	InChI=1S/C16H13ClFN3O2/c1-22-14-6-10-13(7-15(14)23-2)19-8-20-16(10)21-12-4-3-9(17)5-11(12)18/h3-8H,1-2H3,(H,19,20,21)
<b>InChI Key</b>	YHUIUSRCUKUUQA-UHFFFAOYSA-N
<b>Canonical SMILES</b>	COC1=C(C=C2C(=C1)C(=NC=N2)NC3=C(C=C(C=C3)Cl)F)OC
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Solubility</b>	DMSO: 59 mg/mL (176.78 mM); Water: Insoluble; Ethanol: Insoluble
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Applications</b>	ZM 306416 is employed in research investigating the blockade of VEGFR and its role in anti-angiogenic therapies.



**Storage**

Store at -20°C, and keep desiccated.

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