

**Product Name:** XL 184

**Catalog No.:** 5422

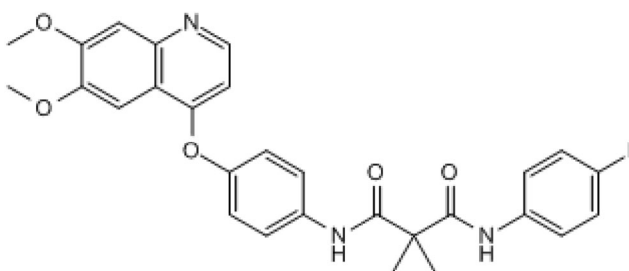
**Batch No.:** 1

CAS Number: 849217-68-1

IUPAC Name: *N*-[4-[(6,7-Dimethoxy-4-quinolinyl)oxy]phenyl]-*N*-(4-fluorophenyl)-1,1-cyclopropanedicarboxamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

<b>Batch Molecular Formula:</b>	C <sub>28</sub> H <sub>24</sub> FN <sub>3</sub> O <sub>5</sub>
<b>Batch Molecular Weight:</b>	501.51
<b>Physical Appearance:</b>	White solid
<b>Solubility:</b>	DMSO to 100 mM
<b>Storage:</b>	Store at +4°C
<b>Batch Molecular Structure:</b>	



## 2. ANALYTICAL DATA

<b>HPLC:</b>	Shows 99.6% purity
<b><sup>1</sup>H NMR:</b>	Consistent with structure
<b>Mass Spectrum:</b>	Consistent with structure

<b>Microanalysis:</b>	Carbon Hydrogen Nitrogen		
Theoretical	67.06	4.82	8.38
Found	67.34	4.86	8.32

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

XL 184 is a potent VEGFR inhibitor (IC<sub>50</sub> = 0.035 nM); also inhibits c-Met, KIT, RET, FLT4, AXL, FLT3, FLT1 and Tie2 (IC<sub>50</sub> values are 1.3, 4.6, 5.2, 6, 7, 11.3, 12 and 14.3 nM, respectively). Induces intratumoral hypoxia and apoptosis. Reduces tumor invasion and metastasis in vivo. Antiangiogenic.

**Physical and Chemical Properties:**

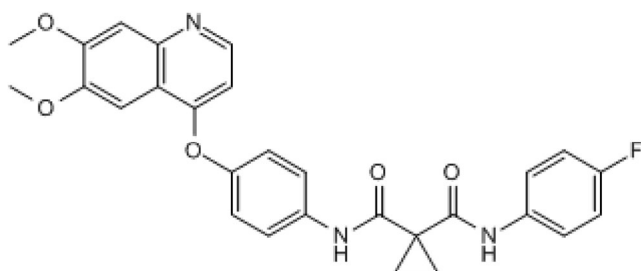
Batch Molecular Formula: C<sub>28</sub>H<sub>24</sub>FN<sub>3</sub>O<sub>5</sub>

Batch Molecular Weight: 501.51

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**You et al** (2012) VEGF and c-Met blockade amplify angiogenesis inhibition in pancreatic islet cancer. *Cancer Res.* **71** 4758. PMID: 21613405.

**Yakes et al** (2011) Cabozantinib (XL184), a novel MET and VEGFR2 inhibitor, simultaneously suppresses metastasis, angiogenesis, and tumor growth. *Mol.Cancer Ther.* **10** 2298. PMID: 21926191.

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