

**Product Name:** XL 184

**Catalog No.:** 5422

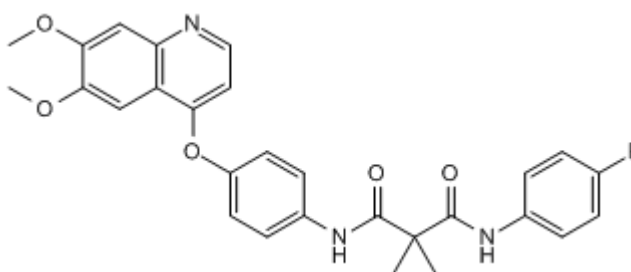
**Batch No.:** 1

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

**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  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

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

	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:**

Potent VEGFR inhibitor ( $IC_{50} = 0.035$  nM); also inhibits c-Met, KIT, RET, FLT4, AXL, FLT3, FLT1 and Tie2 ( $IC_{50}$  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:**

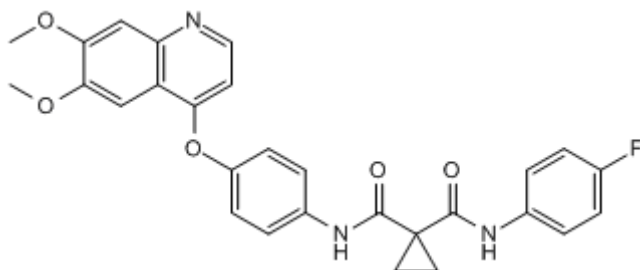
Batch Molecular Formula:  $C_{28}H_{24}FN_3O_5$

Batch Molecular Weight: 501.51

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**References:**

**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.

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

**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. Our standard recommendations are:

**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.

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