

Product Name: XL 184

Catalog No.: 5422

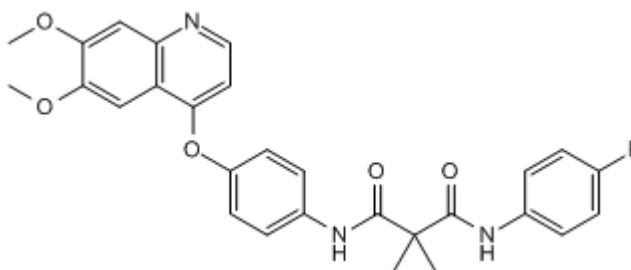
Batch No.: 1

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: C₂₈H₂₄FN₃O₅
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
¹H 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

Tocris Bioscience is an R&D Systems company
 USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373
 www.RnDSystems.com

R&D
SYSTEMS®

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

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:

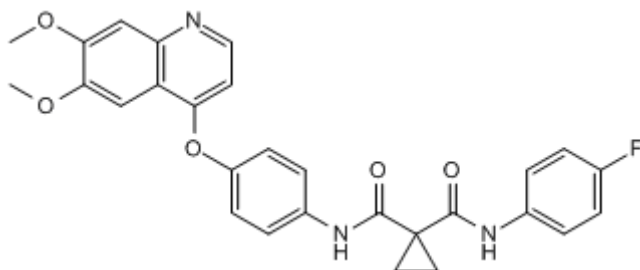
Batch Molecular Formula: $C_{28}H_{24}FN_3O_5$

Batch Molecular Weight: 501.51

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



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.

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.

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

Tocris Bioscience is an R&D Systems company
USA & CANADA Tel: (800) 343-7475 EUROPE Tel: +44 (0)1235 529449 CHINA Tel: +86 (21) 52380373
www.RnDSystems.com

R&D
SYSTEMS®