

Product Name: GSK 1363089

Catalog No.: 6056

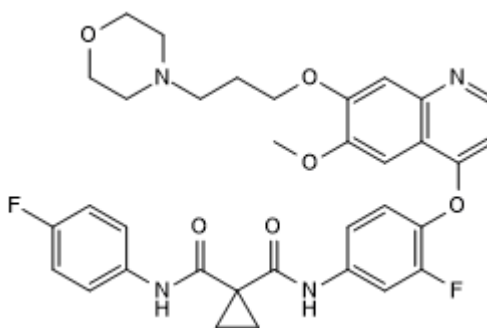
Batch No.: 1

CAS Number: 849217-64-7

IUPAC Name: *N*-[3-Fluoro-4-[[6-methoxy-7-[3-(4-morpholinyl)propoxy]-4-quinolinyl]oxy]phenyl]-*N*-(4-fluorophenyl)-1,1-cyclopropanedicarboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₄H₃₄F₂N₄O₆·³/₄H₂O
Batch Molecular Weight: 646.16
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
ethanol to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	63.2	5.54	8.67
Found	63.01	5.34	8.55

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

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Description:

Potent inhibitor of MET, VEGFR2, Ron and AXL (IC₅₀ values are 0.4, 0.9, 3 and 11 nM, respectively). Also potently inhibits Tie-2, Flt-1, Flt-3, Flt-4, KIT, PDGFR α and PDGFR β . Inhibits migration and invasion of B16F10 melanoma cells in vitro. Suppresses B16F10 tumor growth and metastasis in mice. Orally available.

Physical and Chemical Properties:

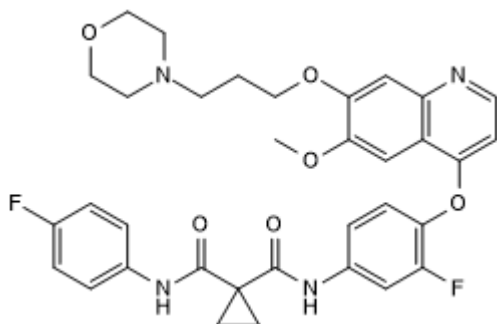
Batch Molecular Formula: C₃₄H₃₄F₂N₄O₆· $\frac{3}{4}$ H₂O

Batch Molecular Weight: 646.16

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM
ethanol 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:

Myers et al (2016) AXL inhibitors in cancer: A medicinal chemistry perspective. *J.Med.Chem.* **59** 3593. PMID: 26555154.

Faria et al (2015) Foretinib is effective therapy for metastatic sonic hedgehog medulloblastoma. *Cancer Res.* **75** 134. PMID: 25391241.

Qian et al (2009) Inhibition of tumor cell growth, invasion, and metastasis by EXEL-2880 (XL880, GSK1363089), a novel inhibitor of HGF and VEGF receptor tyrosine kinases. *Cancer Res.* **69** 8009. PMID: 19808973.

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