

Product Name : Foretinib
Synonyms : XL880; GSK1363089; GSK089; EXEL-2880

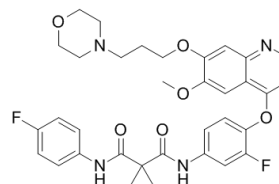
Cat No. : M16164

CAS Number : 849217-64-7

Molecular Formula : C₃₄H₃₄F₂N₄O₆

Formula Weight : 632.65

Chemical Name : 1,1-Cyclopropanedicarboxamide, N-[3-fluoro-4-[[6-methoxy-7-[3-(4-morpholinyl)propoxy]-4-quinolinyl]oxy]phenyl]-N'-(4-fluorophenyl)-



Description : Foretinib (XL880, GSK1363089, GSK089, EXEL-2880) is a potent, multikinase inhibitor that inhibits c-Met and VEGFR, also KIT, Flt-3, PDGFRβ, and Tie-2; inhibits HGFR family tyrosine kinases with IC₅₀ of 0.4 nM for Met and 3 nM for Ron, also inhibits KDR, Flt-1, and Flt-4 with IC₅₀ of 0.9, 6.8, and 2.8 nM, respectively; exhibits modest activity against FGFR1 and EGFR, no activity against 50 serine/threonine kinases, including CDKs and PKC isoforms; inhibits cellular HGF-induced Met phosphorylation and VEGF-induced ERK phosphorylation and prevents both HGF-induced responses of tumor cells and HGF/VEGF-induced responses of endothelial cells; exhibits significant inhibition of tumor burden in animal model of lung metastasis. Lung Cancer Phase 2 Discontinued

Pathway : Angiogenesis

Target : c-Met/HGFR

Receptor : Met; RON; Tie-2; VEGFR2(KDR); VEGFR3/FLT4; KDR; Flt-4; Flt-3

Solubility : DMSO: ≥ 38 mg/mL

SMILES : O=C(C1(C(NC2=CC=C(F)C=C2)=O)CC1)NC3=CC=C(OC4=CC=NC5=CC(OC6C=CC(OC6)=C(OC)C=C45)C(F)=C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Qian F, et al. Cancer Res. 2009 Oct 15;69(20):8009-16. | 2. Liu L, et al. Cancer Res. 2009 Sep 1;69(17):6871-8. | 3. Eder JP, et al. Clin Cancer Res. 2010 Jul 1;16(13):3507-16.