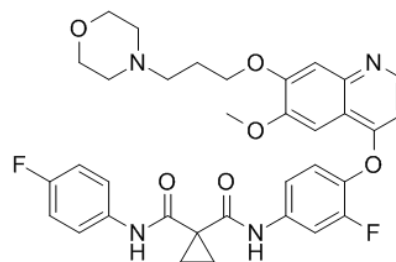


Product Name : Foretinib
Cat. No. : PC-42535
CAS No. : 849217-64-7
Molecular Formula : C₃₄H₃₄F₂N₄O₆
Molecular Weight : 632.6537
Target : c-Met (HGFR)
Solubility : DMSO: ≥ 38 mg/mL



Biological Activity

Foretinib (XL880, GSK1363089, GSK089, EXEL-2880) is a potent, multikinase inhibitor that inhibits **c-Met** and **VEGFR**, also inhibits KIT, Flt-3, PDGFR β , and Tie-2.

Foretinib 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.

Foretinib exhibits modest activity against FGFR1 and EGFR, no activity against 50 serine/threonine kinases, including CDKs and PKC isoforms.

Foretinib 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.

Foretinib exhibits significant inhibition of tumor burden in animal model of lung metastasis.

References

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Liu L, et al. **Cancer Res.** 2009 Sep 1;69(17):6871-8.

Eder JP, et al. **Clin Cancer Res.** 2010 Jul 1;16(13):3507-16.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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