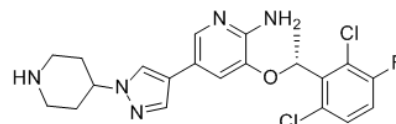


Product Name : Crizotinib
Cat. No. : PC-45885
CAS No. : 877399-52-5
Molecular Formula : C₂₁H₂₂Cl₂FN₅O
Molecular Weight : 450.3367
Target : c-Met (HGFR)
Solubility : DMSO: 55 mg/mL (Need ultrasonic)



Biological Activity

Crizotinib (PF-02341066, PF-2341066) is a potent, selective, orally bioavailable, ATP-competitive inhibitor of **c-Met** catalytic activity with K_i of 4 nM.

Crizotinib (PF-02341066) displays >1,000-fold selective for the VEGFR2 and PDGFRβ RTKs, >250-fold selective for IRK and Lck, and ~40- to 60-fold selective for Tie2, TrkA, and TrkB.

Crizotinib (PF-02341066) also inhibits ALK (IC₅₀=24 nM), potently inhibits c-Met phosphorylation and c-Met-dependent proliferation, migration, or invasion of human tumor cells in vitro (IC₅₀=5-20 nM).

Crizotinib (PF-02341066) shows antitumor efficacy in tumor models at well-tolerated doses in vivo.

References

Zou HY, et al. **Cancer Res.** 2007 May 1;67(9):4408-17.

Christensen JG, et al. **Mol Cancer Ther.** 2007 Dec;6(12 Pt 1):3314-22.

Knowles LM, et al. **Clin Cancer Res.** 2009 Jun 1;15(11):3740-50.

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

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