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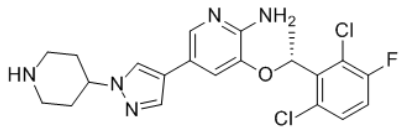
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Crizotinib
Cat. No.	:	PC-45885
CAS No.	:	877399-52-5
Molecular Formula	:	$C_{21}H_{22}Cl_2FN_5O$
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 Ki 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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