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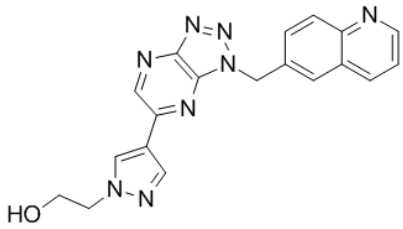
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	PF-04217903
Cat. No.	:	PC-42832
CAS No.	:	956905-27-4
Molecular Formula	:	$C_{19}H_{16}N_8O$
Molecular Weight	:	372.3833
Target	:	c-Met (HGFR)
Solubility	:	10 mM in DMSO



Biological Activity

PF-04217903 is a potent, selective, ATP-competitive **c-Met** kinase inhibitor with Ki of 4.8 nM, inhibits HGF-stimulated tyrosine phosphorylation of wild type c-Met with IC50 of 7.3 nM in cell-based assays.
PF-04217903 shows similar potency for inhibition of c-Met phosphorylation in mIMCD3 mouse epithelial cells (IC50=6.9 nM) and MDCK cell (IC50=9.5 nM).
PF-04217903 also exhibits inhibitory activities against c-Met mutations including V1092I, H1094R, M1250T, R988C, and T11010I (IC50=530 nM), but has little to no activity against mutants Y1230C and Y1235D.
PF-04217903 inhibits tumor cell proliferation, survival, migration/invasion both in vitro and in vivo.

References

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Sennino B, et al. ***Cancer Res.*** 2013 Jun 15;73(12):3692-703.

Cui JJ, et al. ***J Med Chem.*** 2012 Sep 27;55(18):8091-109.

Yeh I, et al. ***Nat Commun.*** 2015 May 27;6:7174.

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