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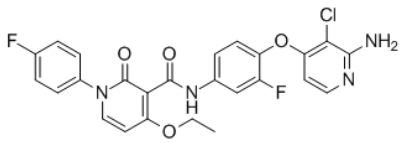
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	BMS 777607
Cat. No.	:	PC-42888
CAS No.	:	1025720-94-8
Molecular Formula	:	$C_{25}H_{19}ClF_2N_4O_4$
Molecular Weight	:	512.8926
Target	:	c-Met (HGFR)
Solubility	:	DMSO: ≥ 39 mg/mL



Biological Activity

BMS 777607 (ASLAN002) is a potent, selective, orally efficacious inhibitor of **Met kinase** with IC50 of 3.9 nM, also potently inhibits Ron, Axl, Tyro-3 and Mer (IC50<15 nM), 40-fold selectivity over Lck, VEGFR-2 and TrkA/B.
BMS 777607 inhibits cell scattering activated by exogenous HGF in c-Met-expressing PC-3 and DU145 prostate cancer cells, suppresses HGF-stimulated cell migration and invasion with IC50 of <0.1 uM.
BMS 777607 potently blocks HGF-stimulated c-Met autophosphorylation and downstream activation of Akt and ERK at nanomolar level.
BMS 777607 demonstrates complete tumor stasis in Met-dependent GTL-16 human gastric carcinoma xenograft models.

References

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Dai Y, et al. ***Mol Cancer Ther.*** 2010 Jun;9(6):1554-61.

Dai Y, et al. ***Clin Exp Metastasis.*** 2012 Mar;29(3):253-61.

Onken J, et al. ***Oncotarget.*** 2016 Mar 1;7(9):9876-89.

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