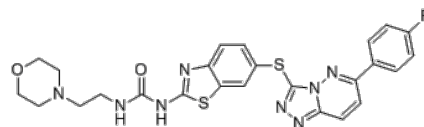


Product Name : SAR 125844
Cat. No. : PC-60463
CAS No. : 1116743-46-4
Molecular Formula : C₂₅H₂₃FN₈O₂S₂
Molecular Weight : 550.631
Target : c-Met (HGFR)
Solubility : 10 mM in DMSO



Biological Activity

SAR 125844 is a potent, highly selective, ATP-competitive **MET** receptor tyrosine kinase inhibitor with IC₅₀ of 4.2 nM.

SAR 125844 also inhibits H1094Y, Y1235D, M1250T, L1195V, and D1228H mutants with IC₅₀ of 0.22, 1.7, 6.5, 65, and 81 nM, respectively.

SAR 125844 displays >100-fold selectivity over RON, and good selectivity in a panel of 275 human kinases.

SAR 125844 inhibits phosphorylation of wild-type MET, M1250T, Y1235D, and L1195V MET mutants with IC₅₀ of 8.8, 30, 179, and 591 nM, respectively.

selectively inhibits proliferation in cells with MET gene amplification, promotes apoptosis and inhibits HGF-mediated tumor cell migration; displays potent antitumor activity in vivo models.

References

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Ugolini A, et al. J Med Chem. 2016 Aug 11;59(15):7066-74.

Shitara K, et al. Oncotarget. 2017 Jun 16;8(45):79546-79555.

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

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