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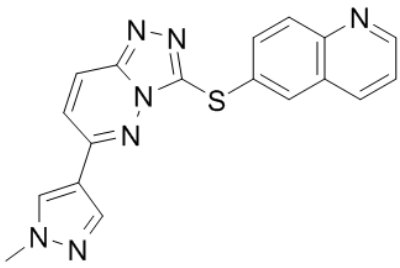
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	SGX-523
Cat. No.	:	PC-42835
CAS No.	:	1022150-57-7
Molecular Formula	:	$C_{18}H_{13}N_7S$
Molecular Weight	:	359.4077
Target	:	c-Met (HGFR)
Solubility	:	DMSO: ≥ 3.6 mg/mL



Biological Activity

SGX-523 (SGX523) is a potent, selective ATP-competitive inhibitor of **MET** receptor tyrosine kinase with IC50 of 4 nM, does not inhibit RON and a panel of kinases.
SGX-523 shows higher affinity for unphosphorylated form of MET (Ki = 2.7 nM) versus the more active phospho-MET (Ki=23 nM).
SGX-523 inhibits MET-mediated signaling, cell proliferation, and cell migration at nanomolar concentrations but has no effect on signaling dependent on other protein kinases.
SGX-523 inhibits MET autophosphorylation with IC50 of 40 nM in GTL16 cells, inhibits MET-dependent tumor growth in vivo.

References

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Zhang YW, et al. Cancer Res. 2010 Sep 1;70(17):6880-90.

Xie Q, et al. Proc Natl Acad Sci U S A. 2012 Jan 10;109(2):570-5.

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