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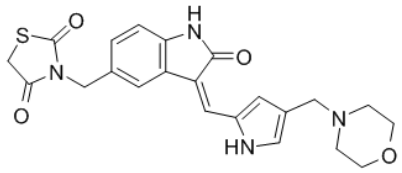
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	S49076
Cat. No.	:	PC-43299
CAS No.	:	1265965-22-7
Molecular Formula	:	$C_{22}H_{22}N_4O_4S$
Molecular Weight	:	438.4995
Target	:	TAM Receptor (Tyro3-Axl-Mer)
Solubility	:	DMSO: ≥ 31 mg/mL



Biological Activity

S49076 is a potent, ATP-competitive tyrosine kinase inhibitor of **MET, AXL/MER**, and FGFR1/2/3 with IC50 of <20 nM, also potently inhibits the kinase activity of mutated isoforms of MET (D1246N, Y1248D, Y1248H) and FGFR1/2.
S49076 only inhibits 6% of kinases on a panel of 442 human wild-type and mutated kinases at 100 nM.
S49076 inhibits the proliferation of MET- and FGFR2-dependent gastric cancer cells, blocks MET-driven migration of lung carcinoma cells, and inhibits colony formation of hepatocarcinoma cells expressing FGFR1/2 and AXL.
S49076 causes tumor growth arrest in bevacizumab-resistant tumors in cancer xenograft models.

References

Burbridge MF, et al. Mol Cancer Ther. 2013 Sep;12(9):1749-62.

Clémenson C, et al. Mol Cancer Ther. 2017 Oct;16(10):2107-2119.

Rodon J, et al. Eur J Cancer. 2017 Aug;81:142-150.

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