

S49076 HCl

SYN-1217

(Z)-3-((3-((4-(morpholinomethyl)-1H-pyrrol-2-yl)methylene)-2-oxoindolin-5-yl)methyl)thiazolidine-2,4-dione hydrochloride

CAS Registry No.: 1265965-19-2

Smiles String:

O=C1NC2=CC=C(CN3C(CSC3=O)=O)C=C2/C1=C/C4=CC(CN5CCOCC5)=CN4.Cl

Molecular Weight: 474.96

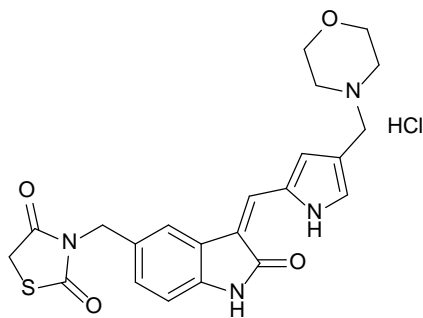
Molecular Formula: C₂₂H₂₃CIN₄O₄S

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request



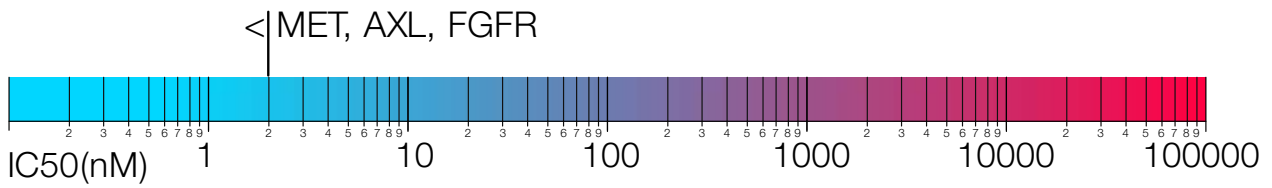
Description:

S49076 is a novel, potent inhibitor of MET, AXL/MER, and FGFR1/2/3. It can potently block cellular phosphorylation of MET, AXL, and FGFRs and inhibit downstream signalling in vitro and in vivo.

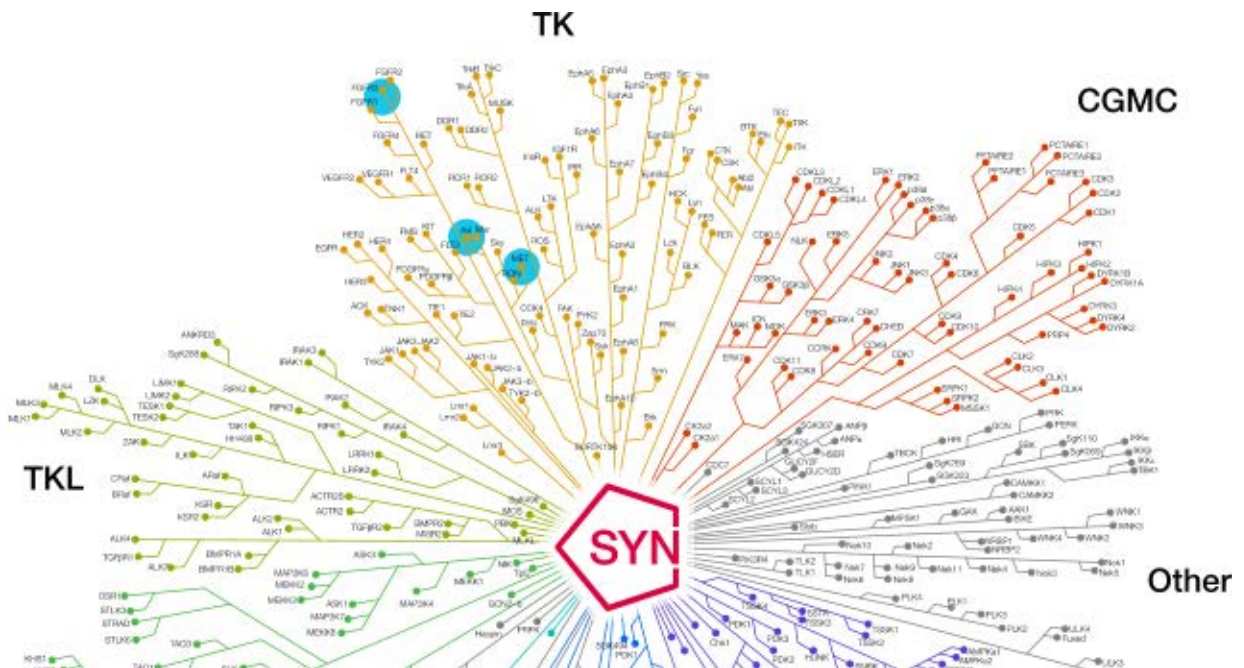
S49076 can inhibit the proliferation of MET- and FGFR2-dependent gastric cancer cells, block MET-driven migration of lung carcinoma cells, and inhibit colony formation of hepatocarcinoma cells expressing FGFR1/2 and AXL.

S49076 has also been shown to cause tumour growth arrest in bevacizumab-resistant tumours in xenograft models.

Biological Activity



Kinome Mapping



Shipping and Storage Temperature

Shipping:

Ambient

Storage:

2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

Solubility

Soluble in DMSO

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4750	4.7496	9.4992	23.748

References

1. Burbridge MF, Bossard CJ, Saunier C, Fejes I, Bruno A, Léonce S, Ferry G, Da Violante G, Bouzom F, Cattan V, Jacquet-Bescond A, Comoglio PM, Lockhart BP, Boutin JA, Cordi A, Ortuno JC, Pierré A, Hickman JA, Cruzalegui FH, Depil S. S49076 is a novel kinase inhibitor of MET, AXL, and FGFR with strong preclinical activity alone and in association with bevacizumab. *Mol Cancer Ther.* 2013 Sep;12(9):1749-62. doi: 10.1158/1535-7163.MCT-13-0075. Epub 2013 Jun 26. PubMed PMID: 23804704.

Ordering Information

To order more of this or any other SYNkinase compound, go to synkinase.com, Call us Toll Free (US Only) at 1- 877-854-6273 or email orders@synkinase.com.

Product Datasheet (Rev. 1.1)