

S49076 HCl

Chemical Properties

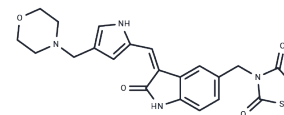
CAS No. : 1265966-31-1

Formula: C₂₂H₁₈ClN₃O₅

Molecular Weight: 439.85

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	S49076 HCl (S-49076 Hydrochloride) is an effective inhibitor of MET, AXL/MER, and FGFR1/2/3. S49076 HCl potently blocked cellular phosphorylation of MET, AXL, and FGFRs and inhibited downstream signaling in vitro and in vivo. In cell models, S49076 HCl inhibited the proliferation of MET- and FGFR2-dependent gastric cancer cells blocked MET-driven migration of lung carcinoma cells, and inhibited colony formation of hepatocarcinoma cells expressing FGFR1/2 and AXL. In tumor xenograft models, a good pharmacokinetic/pharmacodynamic relationship for MET and FGFR2 inhibition following oral administration of S49076 HCl was established and correlated well with impact on tumor growth.
Targets(IC50)	FGFR,c-Met/HGFR,TAM Receptor

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2735 mL	11.3675 mL	22.735 mL
5 mM	0.4547 mL	2.2735 mL	4.547 mL
10 mM	0.2274 mL	1.1368 mL	2.2735 mL
50 mM	0.0455 mL	0.2274 mL	0.4547 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Burbridge MF, et al. 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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