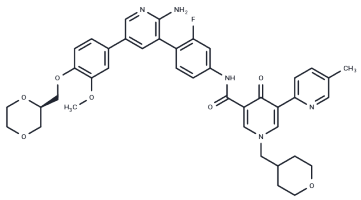
Data Sheet (Cat.No.T9123)

TargetMol
YOUR TARGET MOLECULES

DS-1205

Chemical Properties



CAS No. : 1855860-24-0

Formula: C41H42FN5O7

Molecular Weight: 735.8

Appearance: no data available

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

Biological Description

Description	DS-1205 is a potent and selective inhibitor of AXL kinase, with an IC50 of 1.3 nM. DS-1205 also inhibits MER, MET, and TRKA, with IC50s of 63, 104, and 407 nM, respectively. DS-1205 can inhibit cell migration in vitro and tumor growth in vivo[1].
Targets(IC50)	TAM Receptor
In vitro	DS-1205 (0.3-33 μM; 2-24 h) inhibits hGAS6-induced migration in NIH3T3-AXL cells (EC50=2.7 nM)[1]. DS-1205 (1-10000 μM; 2-24 h) significantly inhibits the phosphorylation of AXL in NIH3T3-AXL cells. DS-1205 decreases NIH3T3 cell proliferation but not obviously inhibits growth (GI50>10,000 nM)[1].
In vivo	DS-1205 (3.1-50 mg/kg; p.o. bid for 5 d) exhibits pAXL inhibition mediated antitumor effects in mice[1].

Solubility Information

Solubility	DMSO: 45 mg/mL (61.16 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3591 mL	6.7953 mL	13.5906 mL
5 mM	0.2718 mL	1.3591 mL	2.7181 mL
10 mM	0.1359 mL	0.6795 mL	1.3591 mL
50 mM	0.0272 mL	0.1359 mL	0.2718 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.

Reference

Jimbo T, et, al. DS-1205b, a novel selective inhibitor of AXL kinase, blocks resistance to EGFR-tyrosine kinase inhibitors in a non-small cell lung cancer xenograft model. Oncotarget. 2019 Aug 27;10(50):5152-5167.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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