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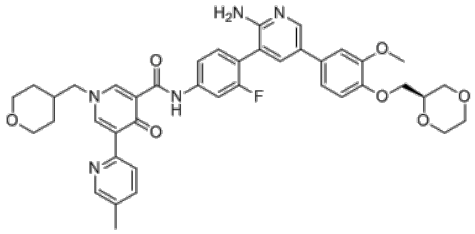
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	DS-1205b
Cat. No.	:	PC-38043
CAS No.	:	1855860-24-0
Molecular Formula	:	$C_{41}H_{42}FN_5O_7$
Molecular Weight	:	735.81
Target	:	TAM Receptor (Tyro3-Axl-Mer)
Solubility	:	10 mM in DMSO



Biological Activity

DS-1205b (DS1205b) is a potent, highly selective inhibitor of **AXL kinase** with IC50 of 1.3 nM.
DS-1205b displays 48-, 80-, and 313-fold selectivity ovver MER, MET, and TRKA.
DS-1205b inhibits phosphorylation of AKT serine/threonine kinase in a dose-dependent manner.
DS-1205b does not obviously inhibit cell proliferation and viability in NIH3T3-AXL cells.
DS-1205b significantly suppresses cell migration on NIH3T3-AXL with IC50 of 2.7 nM.
DS-1205b induces tumor regression by 54-86% at doses of 6.3-50 mg/kg in mice bearing subcutaneously implanted NIH3T3-AXL cells.
DS-1205b inhibits AXL signaling in vitro when combined with erlotinib or osimertinib, delays erlotinib acquired resistance and restores the treatment effect of erlotinib in an HCC827 sc xenograft model.

References

Takeshi Jimbo, et al. ***Oncotarget.*** 2019 Aug 27;10(50):5152-5167.

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