

Product Data Sheet

Product Name: DS-1205b free base

Cat. No.: GC62597

Chemical Properties

Cas. No. 1855860-24-0

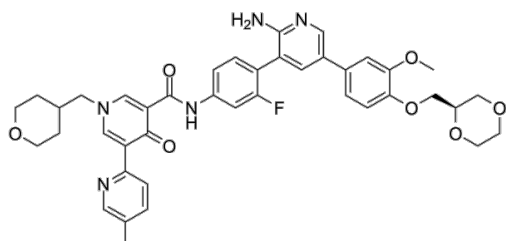
Formula $C_{41}H_{42}FN_5O_7$ M.Wt 735.8

Solubility DMSO : 50 mg/mL (67.95 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

DS-1205b free base is a potent and selective inhibitor of AXL kinase, with an IC₅₀ of 1.3 nM. DS-

Caution: Product has not been fully validated for medical applications. For research use only.

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1205b free base also inhibits MER, MET, and TRKA, with IC₅₀s of 63, 104, and 407 nM, respectively. DS-1205b free base can inhibit cell migration in vitro and tumor growth in vivo[1].

DS-1205b (0.3-33 μ M; 2-24 h) inhibits hGAS6-induced migration in NIH3T3-AXL cells (EC₅₀=2.7 nM)[1]. DS-1205b (1-10000 μ M; 2-24 h) significantly inhibits the phosphorylation of AXL in NIH3T3-AXL cells. DS-1205b decreases NIH3T3 cell proliferation but not obviously inhibits growth (GI₅₀>10,000 nM)[1].

DS-1205b (3.1-50 mg/kg; p.o. bid for 5 d) exhibits pAXL inhibition mediated antitumor effects in mice[1].

[1]. 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.

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