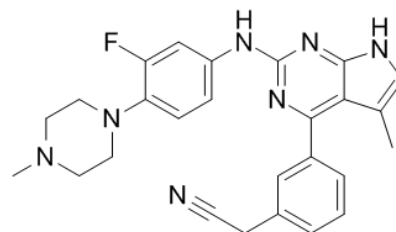


Product Name : SGI-7079
Cat. No. : PC-43298
CAS No. : 1239875-86-5
Molecular Formula : C₂₆H₂₆FN₇
Molecular Weight : 455.5299
Target : TAM Receptor (Tyro3-Axl-Mer)
Solubility : DMSO: ≥ 34 mg/mL



Biological Activity

SGI-7079 is a potent, selective **Axl** inhibitor with K_i of 5.7 nM, inhibits Gas6 ligand-induced tyrosine phosphorylation of human AXL expressed in HEK293T cells with EC_{50} of 100 nM.

SGI-7079 inhibits proliferation of inflammatory breast cancer cells SUM149 and KPL-4 with IC_{50} of 0.43 and 0.15 μ M.

SGI-7079 inhibits TAM family members MER and Tyro3, also shows potent, low nM inhibition of Syk, Flt1, Flt3, Jak2, TrkA, TrkB, PDGFR β and Ret kinases.

SGI-7079 decreases invasion, halts the cell cycle in the G1 phase, and synergistically increases the potency of erlotinib.

SGI-7079 inhibits tumor growth mouse xenograft model of NSCLC, reverses erlotinib resistance combined with erlotinib.

References

Byers LA, et al. *Clin Cancer Res*. 2013 Jan 1;19(1):279-90.

Myers SH, et al. *J Med Chem*. 2016 Apr 28;59(8):3593-608.

Wang X, et al. *Cancer Res*. 2013 Nov 1;73(21):6516-25.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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