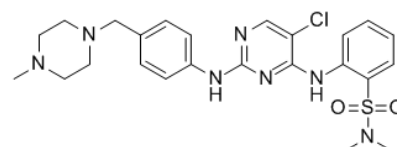


Product Name : TP-0903
Cat. No. : PC-43297
CAS No. : 1341200-45-0
Molecular Formula : C₂₄H₃₀ClN₇O₂S
Molecular Weight : 516.0587
Target : TAM Receptor (Tyro3-Axl-Mer)
Solubility : DMSO: ≥ 30 mg/mL



Biological Activity

TP-0903 (Dabrafenib, TP0903) is a potent, selective, orally bioavailable **Axl** inhibitor with IC₅₀ of 27 nM inhibits cell viability of pancreatic cancer cells (PSN1) with IC₅₀ of 6 nM. TP-0903 also strongly inhibits related TAM family members MER and TYRO3, Aurora A/B (IC₅₀=3.0/12.4 nM), JAK2, ALK, ABL1, and CHEK1 in a panel of 75 kinases (11/75 >50% inhibition at 200 nM). TP-0903 induces robust levels of apoptosis in CLL B-cells from all the CLL patients with mean LD₅₀ of 0.14 μM; inhibits neuroblastoma cell growth, reduces NB cells intravasation in vitro and in vivo and enhances the sensitivity to conventional chemotherapy.

References

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Park IK, et al. *Leukemia.* 2015 Dec;29(12):2382-9.
Mollard A, et al. *ACS Med Chem Lett.* 2011 Dec 8;2(12):907-912.
Aveic S, et al. *Eur J Pharmacol.* 2018 Jan 5;818:435-448.

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

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