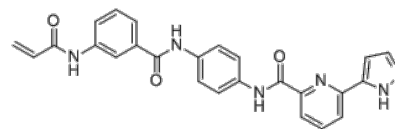


Product Name : JH-X-119-01
Cat. No. : PC-38073
CAS No. : 2227368-54-7
Molecular Formula : C₂₅H₂₀N₆O₃
Molecular Weight : 452.474
Target : IRAK
Solubility : 10 mM in DMSO



Biological Activity

JH-X-119-01 is a highly potent, selective and covalent inhibitor of **IRAK1** with IC₅₀ of 9 nM.

JH-X-119-01 irreversibly and covalently labels IRAK1 at C302.

JH-X-119-01 displays no inhibition of IRAK4 at 10 μM, shows exceptional kinome selectivity as assessed by KinomeScan (468 kinases) at 1 μM with off-target inhibition of only two additional kinases, YSK4 (IC₅₀=57 nM) and MEK3.

JH-X-119-01 exhibits moderate cell killing effects in a panel of WM cells, DLBCL cells, and lymphoma cells expressing MYD88.

References

Pan B, et al. *Int Immunopharmacol.* 2020 Aug;85:106597.

Hatcher JM, et al. *ACS Med Chem Lett.* 2020 Oct 9;11(11):2238-2243.

Gao J, et al. *Transplant Cell Ther.* 2022 Mar;28(3):134.e1-134.e10.

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

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