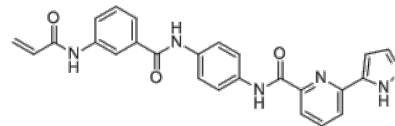


**Product Name** : JH-X-119-01  
**Cat. No.** : PC-38073  
**CAS No.** : 2227368-54-7  
**Molecular Formula** : C<sub>25</sub>H<sub>20</sub>N<sub>6</sub>O<sub>3</sub>  
**Molecular Weight** : 452.474  
**Target** : IRAK  
**Solubility** : 10 mM in DMSO



### Biological Activity

JH-X-119-01 is a highly potent, selective and covalent inhibitor of **IRAK1** with IC<sub>50</sub> 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 (IC<sub>50</sub>=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

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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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