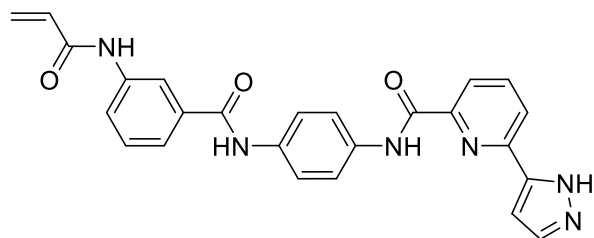


**JH-X-119-01**Chemical Formula: C<sub>25</sub>H<sub>20</sub>N<sub>6</sub>O<sub>3</sub>

Molecular Weight: 452.47

Category	Parameter	Description
Compound	Name	JH-X-119-01
	Citation	<i>ACS Med. Chem. Lett.</i> <b>2020</b> , 11, 11, 2238–2243
	Chemical descriptors	O=C(NC1=CC=C(NC(C2=CC(NC(C=C)=O)=CC=C2)=O)C=C1)C3=NC(C4=CC=N4)=CC=C3
	Chemical name	N-(4-(3-acrylamidobenzamido)phenyl)-6-(1H-pyrazol-5-yl)picolinamide
	Entries in chemical databases	<b>CID</b> 131704492
	Availability	MedChemExpress <a href="https://www.medchemexpress.com/JH-X-119-01_hydrochloride.html">https://www.medchemexpress.com/JH-X-119-01_hydrochloride.html</a>
<i>In vitro</i> profiling	Target (potency)	IRAK1 (IC <sub>50</sub> 9 nM in enzyme assay) IRAK4 (IC <sub>50</sub> >10,000 nM in enzyme assay)
	Target (potency)	
	Selectivity	
	Potential reactivity	Cysteine reactive
	SAR	
	Mechanism of inhibition	Irreversible
	Structure of target-probe complex	
Cellular profiling	Validation of cellular target	JH-X-119-01 dose-dependently inhibited Waldenstrom's cells and ABC DLBCL cells
	Validation of cellular specificity	
Pharmacodynamics		
Pharmacokinetics (IV)		T1/2 = 2.24h CL = 18.8 ml/min/Kg Vss=0.46 L/Kg Cmax = 9.95 μM

Synthetic scheme

