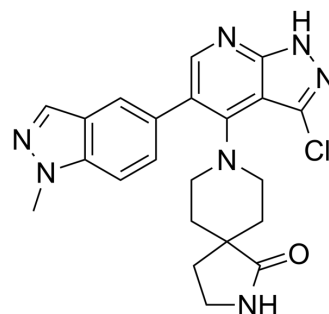


JH-XVI-178

Cat. No.:	HY-139875		
CAS No.:	2648453-53-4		
Molecular Formula:	C ₂₂ H ₂₂ ClN ₇ O		
Molecular Weight:	435.91		
Target:	CDK		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 62.5 mg/mL (143.38 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2941 mL	11.4703 mL	22.9405 mL
	5 mM	0.4588 mL	2.2941 mL	4.5881 mL
	10 mM	0.2294 mL	1.1470 mL	2.2941 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

JH-XVI-178 is a highly potent and selective inhibitor of CDK8/19 that displays low clearance and moderate oral pharmacokinetic properties.

IC₅₀ & Target

CDK8	CDK19
1 nM (IC ₅₀)	2 nM (IC ₅₀)

REFERENCES

[1]. Hatcher JM, et al. Development of Highly Potent and Selective Pyrazolopyridine Inhibitor of CDK8/19. ACS Med Chem Lett. 2021 Oct 22;12(11):1689-1693.

Caution: Product has not been fully validated for medical applications. For research use only.

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