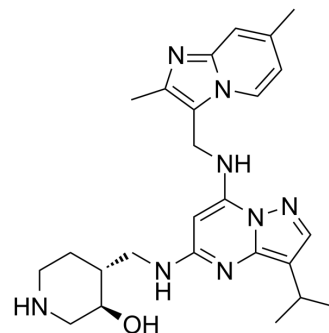


CDK7/12-IN-1

Cat. No.:	HY-46568		
CAS No.:	2654075-94-0		
Molecular Formula:	C ₂₅ H ₃₄ N ₈ O		
Molecular Weight:	462.59		
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 : 100 mg/mL (216.17 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1617 mL	10.8087 mL	21.6174 mL
	5 mM	0.4323 mL	2.1617 mL	4.3235 mL
	10 mM	0.2162 mL	1.0809 mL	2.1617 mL

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

BIOLOGICAL ACTIVITY

Description

CDK7/12-IN-1 is a selective CDK7/12 inhibitor with IC₅₀s of 3 and 277 nM for CDK7 and CDK 12, respectively. CDK7 and CDK12 inhibition is an effective strategy to inhibit tumour growth^[1].

REFERENCES

[1]. Edward AINSCOW, et al. 4-[[[(7-aminopyrazolo[1,5-a]pyrimidin-5-yl)amino]methyl]piperidin-3-ol compounds and their therapeutic use. WO2021122745A1.

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

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