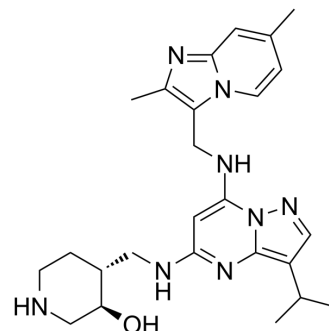


## CDK7/12-IN-1

Cat. No.:	HY-46568
CAS No.:	2654075-94-0
Molecular Formula:	C <sub>25</sub> H <sub>34</sub> N <sub>8</sub> O
Molecular Weight:	462.59
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	<div> <div>Powder</div> <div> -20°C 3 years 4°C 2 years </div> </div> <div> <div>In solvent</div> <div> -80°C 6 months -20°C 1 month </div> </div>



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (216.17 mM; Need ultrasonic)

	Solvent Concentration	Mass	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 IC<sub>50</sub>s of 3 and 277 nM for CDK7 and CDK 12, respectively. CDK7 and CDK12 inhibition is an effective strategy to inhibit tumour growth<sup>[1]</sup>.

### 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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