

XMD-12

## Chemical Properties

CAS No. : 1234481-08-3

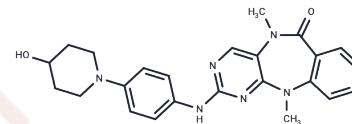
Formula: C<sub>24</sub>H<sub>26</sub>N<sub>6</sub>O<sub>2</sub>

Molecular Weight: 430.5

Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	XMD-12 is a selective pan-Aurora Kinase inhibitor, with an IC <sub>50</sub> of 5.6/18.4/24.6 nM for Aurora A/B/C, with anti-tumor activity, and can promote the apoptosis of cancer cells induced by paclitaxel.
Targets(IC <sub>50</sub> )	Aurora Kinase

## Solubility Information

Solubility	DMSO: 80 mg/mL (185.83 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3229 mL	11.6144 mL	23.2288 mL
5 mM	0.4646 mL	2.3229 mL	4.6458 mL
10 mM	0.2323 mL	1.1614 mL	2.3229 mL
50 mM	0.0465 mL	0.2323 mL	0.4646 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Kwiatkowski N, et al. Selective aurora kinase inhibitors identified using a taxol-induced checkpoint sensitivity screen. ACS Chem Biol. 2012;7(1):185-196.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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