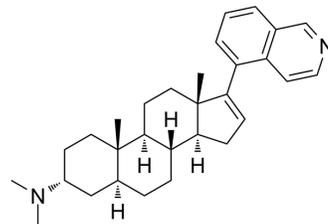


## CDK8-IN-7

Cat. No.:	HY-147717
CAS No.:	2415156-30-6
Molecular Formula:	C <sub>30</sub> H <sub>40</sub> N <sub>2</sub>
Molecular Weight:	428.65
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	CDK8-IN-7 (compound 12) is a potent and selective cyclin-dependent kinase 8 (CDK8) inhibitor with an $K_d$ of 3.5 nM. CDK8-IN-7 shows cytotoxicity for MOLM-13, OCI-AML3, MV4-11, NRK and H9c2 cells with $IC_{50}$ s of 5.9, 4.8, 5.4, 16.2, 12.5-25 $\mu$ M, respectively. CDK8-IN-7 has the potential for the research of AML-cancer <sup>[1]</sup> .
$IC_{50}$ & Target	CDK8 3.5 nM ( $K_d$ )

### REFERENCES

[1]. Solum E, et al. New CDK8 inhibitors as potential anti-leukemic agents - Design, synthesis and biological evaluation. *Bioorg Med Chem.* 2020 May 15;28(10):115461.

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

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