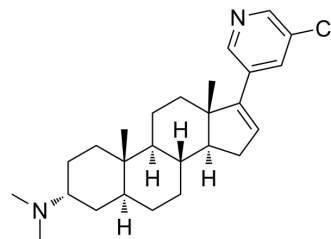


## CDK8-IN-6

Cat. No.:	HY-147716
CAS No.:	2415156-27-1
Molecular Formula:	C <sub>26</sub> H <sub>37</sub> ClN <sub>2</sub>
Molecular Weight:	413.04
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-6 (compound 9) is a potent cyclin-dependent kinase 8 (CDK8) inhibitor with an $K_d$ of 13 nM. CDK8-IN-6 shows cytotoxicity for MOLM-13, OCI-AML3, MV4-11, NRK and H9c2 cells with $IC_{50}$ s of 11.2, 7.5, 8.6, 20.5, 12.5-25 $\mu$ M, respectively. CDK8-IN-6 has the potential for the research of AML-cancer <sup>[1]</sup> .
$IC_{50}$ & Target	CDK8 13 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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