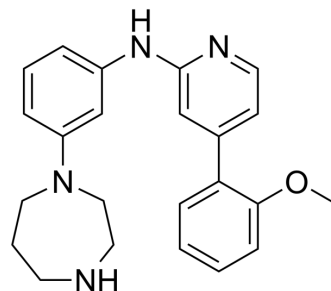


A09-003

Cat. No.:	HY-155245
CAS No.:	2911646-14-3
Molecular Formula:	C ₂₃ H ₂₆ N ₄ O
Molecular Weight:	374.48
Target:	CDK; Bcl-2 Family
Pathway:	Cell Cycle/DNA Damage; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	A09-003 is a CDK-9 inhibitor (IC ₅₀ : 16 nM). A09-003 inhibits leukemia cell proliferation (IC ₅₀ : 1.90, 0.86, 2.49, 1.84, 0.48 μM for BDCM, Molm-14, THP-1, U937, MV4-11 cells). A09-003 induces apoptosis and decreases Mcl-1 expression through Thr163 dephosphorylation ^[1] .
IC ₅₀ & Target	Mcl-1

REFERENCES

[1]. Sim KM, et al. A new cyclin-dependent kinase-9 inhibitor A09-003 induces apoptosis in acute myeloid leukemia cells with reduction of myeloid cell leukemia sequence-1 protein. Chem Biol Interact. 2023 Sep 1;382:110554.

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

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