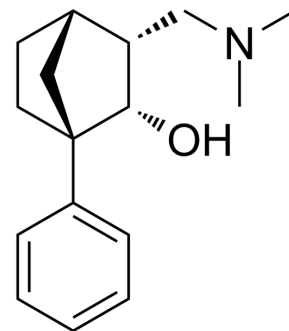


KDM4-IN-4

Cat. No.:	HY-150619
CAS No.:	2230475-63-3
Molecular Formula:	C ₁₆ H ₂₃ NO
Molecular Weight:	245.36
Target:	Histone Demethylase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	KDM4-IN-4 (compound 47) is a potent histone lysine demethylase 4 (KDM4) inhibitor with a modest affinity binding to ~80 μM for KDM4A-Tudor domain. KDM4-IN-4 can inhibit H3K4Me3 binding to the Tudor domain in cells with an EC ₅₀ value of 105 μM. KDM4-IN-4 can be used for researching anticancer ^[1] .
IC ₅₀ & Target	KDM4A-Tudor domain 80 μM (Ki)

REFERENCES

[1]. Wu Q, Young B, Wang Y, Davidoff AM, Rankovic Z, Yang J. Recent Advances with KDM4 Inhibitors and Potential Applications. J Med Chem. 2022 Jul 15.

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

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