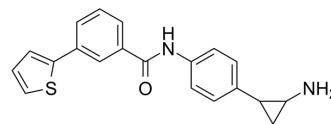


LSD1-IN-16

Cat. No.:	HY-144757
Molecular Formula:	C ₂₀ H ₁₈ N ₂ OS
Molecular Weight:	334.43
Target:	Histone Demethylase; Monoamine Oxidase
Pathway:	Epigenetics; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LSD1-IN-16 (compound 4b) is a potent LSD1 inhibitor. LSD1-IN-16 can inhibit LSD1-CoREST, MAO-A and MAO-B, with IC ₅₀ values of 0.015, 0.024, and 0.366 μM, respectively. LSD1-IN-16 displays cell growth arrest in prostate cancer LNCaP cells, with an IC ₅₀ of 15.2 μM ^[1] .	
IC ₅₀ & Target	MAO-A 0.024 ± μM (IC ₅₀)	MAO-B 0.366 ± μM (IC ₅₀)

REFERENCES

[1]. Fioravanti R, et al. Heterocycle-containing tranylcypromine derivatives endowed with high anti-LSD1 activity. J Enzyme Inhib Med Chem. 2022 Dec;37(1):973-985.

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

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