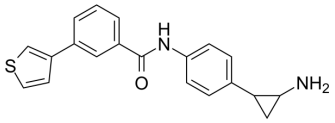
LSD1-IN-17

Cat. No.:	HY-144758
Molecular Formula:	$C_{20}H_{18}N_2OS$
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-17 (compound 5b) is a potent LSD1 inhibitor. LSD1-IN-17 can inhibit LSD1-CoREST, MAO-A and MAO-B, with IC_{50} values of 0.005, 0.028, and 0.820 μM, respectively. LSD1-IN-17 displays cell growth arrest in prostate cancer LNCaP cells, with an IC_{50} of 17.2 μM[1].	
IC_{50} & Target	MAO-A 0.028 ± 0. μM (IC_{50})	MAO-B 0.820 ± 0. 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.

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