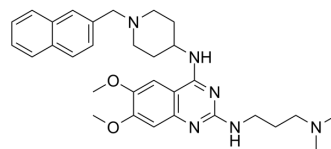


LSD1-IN-18

Cat. No.:	HY-146283
Molecular Formula:	C ₃₁ H ₄₀ N ₆ O ₂
Molecular Weight:	528.69
Target:	Histone Demethylase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LSD1-IN-18 (compound 7) is a potent, non-covalent and selective LSD1 inhibitor, with K_i of 0.156 μM and K_D of 0.075 μM , respectively. LSD1-IN-18 shows antiproliferative activity in THP-1 leukemia cells and MDA-MB-231 breast cancer cells, with IC_{50} (72 h) of 0.16 and 0.21 μM , respectively ^[1] .
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IC₅₀ & Target	K_i of 0.156 μM (LSD1, Lysine-specific demethylase 1) ^[1]
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REFERENCES

[1]. Menna M, et al. Novel non-covalent LSD1 inhibitors endowed with anticancer effects in leukemia and solid tumor cellular models. *Eur J Med Chem.* 2022 Jul 5;237:114410.

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

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