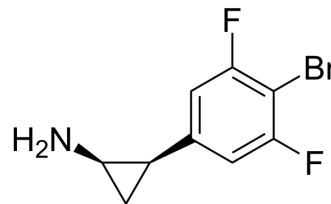


LSD1/2-IN-3

Cat. No.:	HY-151192
CAS No.:	2821068-07-7
Molecular Formula:	C ₉ H ₈ BrF ₂ N
Molecular Weight:	248.07
Target:	Histone Demethylase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	LSD1/2-IN-3 is a selective inhibitor of lysine-specific demethylase 1 (LSD1), with a K _i value of 11 nM instead of 7 μM for LSD2. There is aberrant expression of LSD1 in cancer stem cells, LSD1/2-IN-1 inhibits LSD1 cell proliferation ^[1] .
IC ₅₀ & Target	KDM1/LSD1
In Vitro	LSD1/2-IN-3 (compound 8c) inhibits proliferation of the T-cell acute lymphoblastic leukemia (T-ALL) with IC ₅₀ s of 25 μM (CCRF-CEM) and 27 μM (Jurkat), respectively, without inhibiting the human normal fibroblast cell line WI-38 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hideaki Niwa, et al. Structure–Activity Relationship and In Silico Evaluation of cis- and trans-PCPA-Derived Inhibitors of LSD1 and LSD2. ACS Med. Chem. Lett. 2022.

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

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