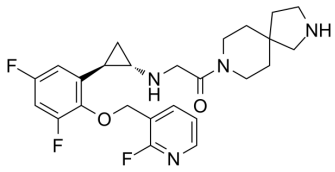
S1427

Cat. No.:	HY-146380
CAS No.:	2447061-40-5
Molecular Formula:	$C_{25}H_{29}F_3N_4O_2$
Molecular Weight:	474.52
Target:	Histone Demethylase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	S1427 is a tranylcypromine-derived LSD1 inhibitor with the IC_{50} of 390 nM and K_i of 80 nM. S1427 exhibits desirable hERG channel inhibition and microsomal stability profiles. Inhibition of LSD1 partially reduces the proliferation of cancer cells[1].
IC_{50} & Target	KDM1/LSD1

REFERENCES

[1]. Yasuko Koda, et al. Design and Synthesis of Tranylcypromine-Derived LSD1 Inhibitors with Improved hERG and Microsomal Stability Profiles. ACS Med Chem Lett. 2022 Apr 29;13(5):848-854.

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