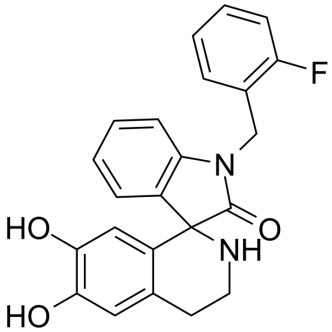
FY-56

Cat. No.:	HY-143238
Molecular Formula:	$C_{23}H_{19}FN_2O_3$
Molecular Weight:	390.41
Target:	Histone Demethylase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	FY-56 is a highly potent and selective LSD1/KDM1A inhibitor (IC_{50}=42 nM) and exhibits high selectivity over MAO-A/B. FY-56 induces differentiation of MOLM-13 and MV4-11 cell and has the potential for AML research[1].
IC_{50} & Target	IC50: 42 nM (LSD1/KDM1A)[1]

REFERENCES

[1]. Chao Yang, et al. Discovery of natural product-like spirooxindole derivatives as highly potent and selective LSD1/KDM1A inhibitors for AML treatment. Bioorg Chem. 2022 Mar; 120:105596

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