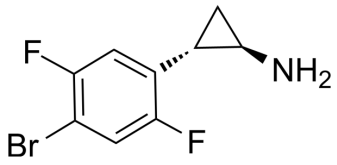
LSD1-IN-22

Cat. No.:	HY-151191
CAS No.:	2821068-05-5
Molecular Formula:	$C_9H_8BrF_2N$
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-IN-22 is a potent Lysine-specific demethylase 1 (LSD1) inhibitor with a K_i value of 98 nM. LSD1-IN-22 has anti-proliferative activity against certain cancer cells[1].
IC_{50} & Target	KDM1/LSD1
In Vitro	LSD1-IN-22 (compound 7t) has anti-proliferative activity against CCRF-CEM, Jurkat and hERG cells[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Proliferation Assay[1]

Cell Line:	CCRF-CEM, Jurkat and hERG
Concentration:	0-50 μM
Incubation Time:	72 h
Result:	Exhibited anti-proliferative activity against CCRF-CEM, Jurkat and hERG cells with IC_{50}s of 23±0.8 μM, 26±1.7 μM and 7.7±1.3 μM.

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 Medicinal Chemistry Letters Article ASAP.

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