



Product Information

Histone demethylases inhibitor LSD1-IN-5, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ385

Size: 1 mg; 5 mg; 10 mg

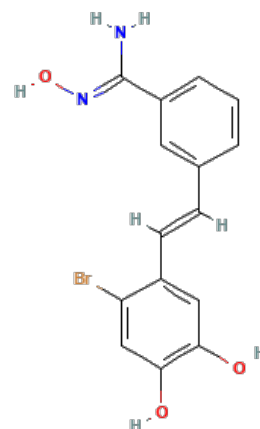
CAS Number: 2035912-55-9

Compound CID: 137661855

Synonym: 2035912-55-9; LSD1-IN-5; ChEMBL4099241; BDBM50234620;

AKOS040733623; HY-100859; Histone demethylases inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	LSD1-IN-5 prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	349.18
Molecular Formula	C ₁₅ H ₁₃ BrN ₂ O ₃
IUPAC Name	3-[(E)-2-(2-bromo-4,5-dihydroxyphenyl)ethenyl]-N'-hydroxybenzenecarboximidamide
InChI	InChI=1S/C15H13BrN2O3/c16-12-8-14(20)13(19)7-10(12)5-4-9-2-1-3-11(6-9)15(17)18-21/h1-8,19-21H,(H2,17,18)/b5-4+
InChI Key	ORMIOBDMECQFGI-SNAWJCMRSA-N
Canonical SMILES	C1=CC(=CC(=C1)C(=NO)N)C=CC2=CC(=C(C=C2Br)O)O
Isomeric SMILES	C1=CC(=CC(=C1)/C(=N/O)/N)/C=C/C2=CC(=C(C=C2Br)O)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	LSD1-IN-5 is a potent LSD1 inhibitor used to study histone modification and gene regulation.
Storage	Store at -20°C.