



Product Information

Histone demethylases inhibitor GSK-LSD1 dihydrochloride, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ374

Size: 5 mg; 10 mg; 50 mg; 100 mg

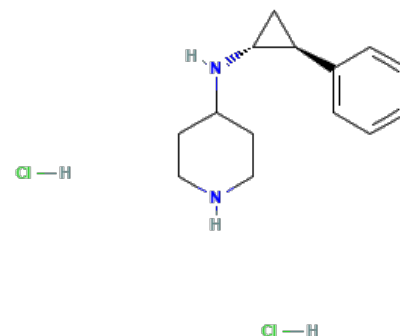
CAS Number: 2102933-95-7

Compound CID: 91663353

Synonym: 2102933-95-7; GSK-LSD1 dihydrochloride; GSK-LSD1 2HCl; GSK-LSD1

(dihydrochloride); Histone demethylases inhibitor

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



Product Information

Description	GSK-LSD1 dihydrochloride, soluble in warmed DMSO and warmed water, prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	289.24
Molecular Formula	C ₁₄ H ₂₂ Cl ₂ N ₂
IUPAC Name	<i>N</i> -[(1 <i>R</i> ,2 <i>S</i>)-2-phenylcyclopropyl]piperidin-4-amine;dihydrochloride
InChI	InChI=1S/C14H20N2.2ClH/c1-2-4-11(5-3-1)13-10-14(13)16-12-6-8-15-9-7-12;;/h1-5,12-16H,6-10H2;2*1H/t13-,14+;;/m0../s1
InChI Key	PJFZOGMSPBHPNS-WICJZZOFSA-N
Canonical SMILES	C1CNCCC1NC2CC2C3=CC=CC=C3.Cl.Cl
Isomeric SMILES	C1CNCCC1N[C@@H]2C[C@H]2C3=CC=CC=C3.Cl.Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	Warmed DMSO: 56 mg/mL (193.6 mM); Warmed water: 56 mg/mL (193.6 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	GSK-LSD1 dihydrochloride is an inhibitor of lysine-specific demethylase 1 (LSD1) utilized in cancer research and studies on gene regulation.
Storage	Store at -20°C.