Product Information



Histone demethylases inhibitor KDM1/LSD1, Purity ≥98%

Cat. No.: X24-05-ZQ396

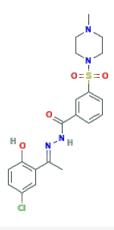
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1423715-37-0 **Compound CID:** 135565033

Synonym: 1423715-37-0; SP-2577; SP2577; SP 2577; Histone demethylases

inhibitor

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



Product Information	
Description	KDM1/LSD1, soluble in DMSO, water and ethanol, prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	450.94
Molecular Formula	$C_{20}H_{23}CIN_4O_4S$
IUPAC Name	$\textit{N-}[(\textit{E})-1-(5-\text{chloro-}2-\text{hydroxyphenyl}) \\ \text{ethylideneamino}]-3-(4-\text{methylpiperazin-}1-\text{yl}) \\ \text{sulfonylbenzamide} \\ \text{number } (-1) \\ number$
InChl	InChI=1S/C20H23CIN4O4S/c1-14(18-13-16(21)6-7-19(18)26)22-23-20(27)15-4-3-5-17(12-15)30(28, 29)25-10-8-24(2)9-11-25/h3-7,12-13,26H,8-11H2,1-2H3,(H,23,27)/b22-14+
InChl Key	MVSQDUZRRVBYLA-HYARGMPZSA-N
Canonical SMILES	CC(=NNC(=O)C1=CC(=CC=C1)S(=O)(=O)N2CCN(CC2)C)C3=C(C=CC(=C3)CI)O
Isomeric SMILES	C/C(=N\NC(=O)C1=CC(=CC=C1)S(=O)(=O)N2CCN(CC2)C)/C3=C(C=CC(=C3)CI)O
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 86 mg/mL (190.71 mM); Water: <1 mg/mL; Ethanol: <1 mg/mL
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	KDM1/LSD1 inhibitors are used to study the role of LSD1 in gene repression and cancer.
Storage	Store at -20°C.