



Product Information

Histone demethylases inhibitor RG-6016, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ391

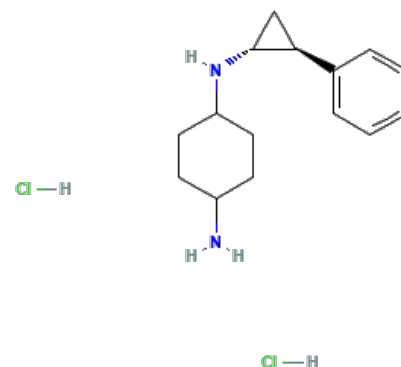
Size: 5 mg; 10 mg; 25 mg

CAS Number: 1431326-61-2

Compound CID: 71664305

Synonym: 1431326-61-2; RG6016; RG-6016; Histone demethylases inhibitor

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



Product Information

Description	RG-6016, soluble in DMSO, water and warmed ethanol, prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation. It targets LSD1/KDM1A.
Molecular Weight	303.27
Molecular Formula	C ₁₅ H ₂₂ N ₂ .2HCl
Targets	LSD1/KDM1A: 20 nM
IUPAC Name	4- <i>N</i> -[(1 <i>R</i> ,2 <i>S</i>)-2-phenylcyclopropyl]cyclohexane-1,4-diamine;dihydrochloride
InChI	InChI=1S/C15H22N2.2ClH/c16-12-6-8-13(9-7-12)17-15-10-14(15)11-4-2-1-3-5-11;;/h1-5,12-15,17H,6-10,16H2;2*1H/t12?,13?,14-,15+;;/m0../s1
InChI Key	UCINOBZMLCREGM-RNNUGBGQSA-N
Canonical SMILES	C1CC(CCC1N)NC2CC2C3=CC=CC=C3.Cl.Cl
Isomeric SMILES	C1CC(CCC1N)N[C@@H]2C[C@H]2C3=CC=CC=C3.Cl.Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 4 mg/mL (13.18 mM); Water: 53 mg/mL (174.76 mM); Warmed ethanol: 3 mg/mL (9.89 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	RG-6016 is an LSD1 inhibitor used for research into its role in cancer and neurodegeneration.
Storage	Store at -20°C.