



Product Information

Histone demethylases inhibitor (Z)-JIB-04, Purity ≥98%

Cat. No.: X24-05-ZQ364

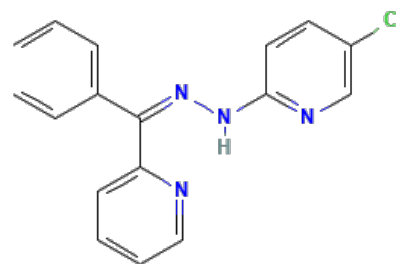
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 199596-24-2

Compound CID: 5825881

Synonym: 199596-24-2; NSC693627; JIB-04; Histone demethylases inhibitor

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



Product Information

Description	(Z)-JIB-04 prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	308.8
Molecular Formula	C ₁₇ H ₁₃ ClN ₄
IUPAC Name	5-Chloro- <i>N</i> -[(<i>Z</i>)-[phenyl(pyridin-2-yl)methylidene]amino]pyridin-2-amine
InChI	InChI=1S/C17H13ClN4/c18-14-9-10-16(20-12-14)21-22-17(13-6-2-1-3-7-13)15-8-4-5-11-19-15/h1-12H,(H,20,21)/b22-17-
InChI Key	YHHFKWKMXWRVTJ-XLNRJJMWSA-N
Canonical SMILES	C1=CC=C(C=C1)C(=NNC2=NC=C(C=C2)Cl)C3=CC=CC=N3
Isomeric SMILES	C1=CC=C(C=C1)/C(=N/NC2=NC=C(C=C2)Cl)/C3=CC=CC=N3
Form	Lyophilized powder
Purity	≥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	(Z)-JIB-04 is used to study histone demethylases and their role in gene expression regulation.
Storage	Store at -20°C.