



Product Information

Histone demethylases inhibitor CBB1007, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ368

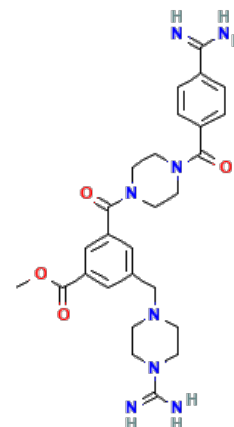
Size: 5 mg; 10 mg; 50 mg

CAS Number: 1379573-92-8

Compound CID: 72199289

Synonym: 1379573-92-8; CBB 1007; CBB-1007; Histone demethylases inhibitor

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



Product Information

Description	CBB1007 prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	534.61
Molecular Formula	C ₂₇ H ₃₄ N ₈ O ₄
IUPAC Name	Methyl 3-[4-(4-carbamimidoylbenzoyl)piperazine-1-carbonyl]-5-[(4-carbamimidoylpiperazin-1-yl)methyl]benzoate
InChI	InChI=1S/C27H34N8O4/c1-39-26(38)22-15-18(17-32-6-8-35(9-7-32)27(30)31)14-21(16-22)25(37)34-12-10-33(11-13-34)24(36)20-4-2-19(3-5-20)23(28)29/h2-5,14-16H,6-13,17H2,1H3,(H3,28,29)(H3,30,31)
InChI Key	IBVRETRIDAQSEM-UHFFFAOYSA-N
Canonical SMILES	COC(=O)C1=CC(=CC(=C1)C(=O)N2CCN(CC2)C(=O)C3=CC=C(C=C3)C(=N)N)CN4CCN(CC4)C(=N)N
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	CBB1007 can be used to inhibit lysine demethylase (KDM) activity, providing insights into epigenetic regulation mechanisms.
Storage	Store at -20°C.