



Product Information

Histone demethylases inhibitor CBB1003, Purity ≥98%

Cat. No.: X24-05-ZQ367

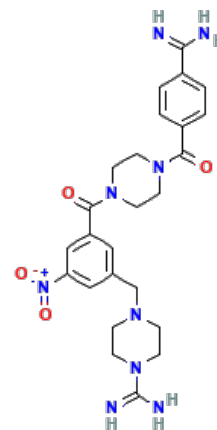
Size: 5 mg; 10 mg; 50 mg

CAS Number: 1379573-88-2

Compound CID: 57345268

Synonym: 1379573-88-2; CBB 1003; CBB-1003; Histone demethylases inhibitor

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



Product Information

Description	CBB1003 prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	521.57
Molecular Formula	C ₂₅ H ₃₁ N ₉ O ₄
IUPAC Name	4-[[[3-[4-(4-Carbamimidoylbenzoyl)piperazine-1-carbonyl]-5-nitrophenyl]methyl]piperazine-1-carboximidamide
InChI	InChI=1S/C25H31N9O4/c26-22(27)18-1-3-19(4-2-18)23(35)31-9-11-32(12-10-31)24(36)20-13-17(14-21(15-20)34(37)38)16-30-5-7-33(8-6-30)25(28)29/h1-4,13-15H,5-12,16H2,(H3,26,27)(H3,28,29)
InChI Key	SKTVJNLOILHEKO-UHFFFAOYSA-N
Canonical SMILES	<chem>C1CN(CCN1CC2=CC(=CC(=C2)[N+](=O)[O-])C(=O)N3CCN(CC3)C(=O)C4=CC=C(C=C4)C(=N)N)C(=N)N</chem>
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	CBB1003 is used to explore the inhibition of histone demethylase, aiding in the study of gene expression and epigenetics.
Storage	Store at -20°C.