



Product Information

Histone demethylases inhibitor TC-E 5002, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ400

Size: 5 mg; 10 mg; 50 mg

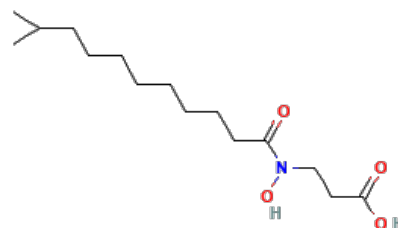
CAS Number: 1453071-47-0

Compound CID: 71735843

Synonym: 1453071-47-0; TC-E 5002; *N*

-(9-cyclopropyl-1-oxononyl)-*N*-hydroxy-beta-alanine; ChEMBL2424812; KDM2/7-IN-1;

Histone demethylases inhibitor



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

Product Information

Description	TC-E 5002 prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	285.38
Molecular Formula	C ₁₅ H ₂₇ NO ₄
IUPAC Name	3-[9-Cyclopropylnonanoyl(hydroxy)amino]propanoic acid
InChI	InChI=1S/C15H27NO4/c17-14(16(20)12-11-15(18)19)8-6-4-2-1-3-5-7-13-9-10-13/h13,20H,1-12H2,(H,18,19)
InChI Key	NEHSERYKENINRH-UHFFFAOYSA-N
Canonical SMILES	C1CC1CCCCCCCCC(=O)N(CCC(=O)O)O
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	TC-E 5002 can be used for the investigation of epigenetic regulation processes through its inhibition of protein arginine methyltransferase 5 (PRMT5).
Storage	Store at -20°C.