



Product Information

HMT inhibitor SMYD3-IN-1, Purity ≥98%

Cat. No.: X24-05-ZQ537

Size: 5 mg; 10 mg; 50 mg

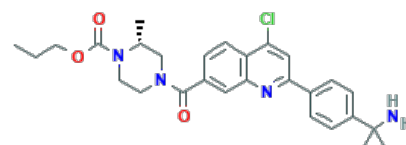
CAS Number: 2095160-79-3

Compound CID: 138911344

Synonym: 2095160-79-3; SMYD3-IN-1; ChEMBL4542517; BDBM50502427;

AKOS040738495; Histone methyltransferase inhibitor

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



Product Information

Description	SMYD3-IN-1 inhibits the enzymes that add methyl groups to histone proteins, altering chromatin structure and gene expression. It targets SMYD3.
Molecular Weight	507.02
Molecular Formula	C ₂₈ H ₃₁ ClN ₄ O ₃
Targets	SMYD3: 11.7 nM
IUPAC Name	Propyl (2R)-4-[2-[4-(1-aminocyclopropyl)phenyl]-4-chloroquinoline-7-carbonyl]-2-methylpiperazine-1-carboxylate
InChI	InChI=1S/C28H31ClN4O3/c1-3-14-36-27(35)33-13-12-32(17-18(33)2)26(34)20-6-9-22-23(29)16-24(31-25(22)15-20)19-4-7-21(8-5-19)28(30)10-11-28/h4-9,15-16,18H,3,10-14,17,30H2,1-2H3/t18-m/1/s1
InChI Key	ROAYRCZOBGZZPK-GOSISDBHSA-N
Canonical SMILES	CCCOC(=O)N1CCN(CC1C)C(=O)C2=CC3=C(C=C2)C(=CC(=N3)C4=CC=C(C=C4)C5(CC5)N)Cl
Isomeric SMILES	CCCOC(=O)N1CCN(C[C@H]1C)C(=O)C2=CC3=C(C=C2)C(=CC(=N3)C4=CC=C(C=C4)C5(CC5)N)Cl
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	SMYD3-IN-1 can be used to inhibit the SMYD3 methyltransferase, affecting gene expression in cancer research.
Storage	Store at -20°C.
