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DATASHEET

UNC 0224

Product overview

Name	UNC 0224
Cat No	HB1420
Alternative names	Compound 8
Biological action	Inhibitor
Purity	>98%
Description	Potent, selective G9a HMTase inhibitor

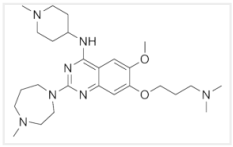
Biological Data

Biological description	Potent and selective G9a histone lysine methyltransferase (HMTase) inhibitor (IC_{50} = 15 nM).

Solubility & Handling

Storage instructions	+4°C
Solubility overview	Soluble in DMSO (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	7-[3-(Dimethylamino)propoxy]-2-(hex ahydro-4-methyl-1*H*-1,4-diazepin-1-yl)-6-methoxy-*N*-(1-methyl-4-piperidinyl)-4-quinazolinamine
Molecular Weight	485.67
Chemical structure	
Molecular Formula	$C_{26}H_{43}N_7O_2$
CAS Number	1197196-48-7
PubChem identifier	44251522
SMILES	CN(CC4)CCC4NC1=C2C(C=C(OCCCN(C)C)C(OC)=C2)=NC(N3CCCN(C)CC3)=N1
InChiKey	XIVUGRBSBIXXJE-UHFFFAOYSA-N

References

Discovery of a 2,4-diamino-7-aminoalkoxyquinazoline as a potent and selective inhibitor of histone lysine methyltransferase G9a.

Liu F *et al* (2009) J Med Chem 52(24)
PubMedID 19891491

Protein lysine methyltransferase G9a inhibitors: design, synthesis, and structure activity relationships of 2,4-diamino-7-aminoalkoxy-quinazolines.

Liu F *et al* (2010) J Med Chem 53(15)
PubMedID 20614940