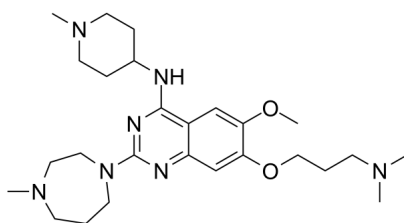


Data Sheet

Product Information

Catalog Number	BP14261
Product Name	UNC0224
Description	UNC0224 is a selective inhibitor of G9a with a K_i of 2.6 nM and IC_{50} of 15 nM. UNC0224 also potently inhibits GLP with assay-dependent IC_{50} values of 20-58 nM.
Targets& IC_{50}	G9a:15 nM, G9a:2.6 nM $[K_i]$, G9a:23 nM $[K_d]$, GLP:20-58 nM
In vitro	In G9a ECSD and CLOT assays, the IC_{50} values are 43 nM and 57 nM for UNC0224, respectively. In GLP ECSD and CLOT assays, the IC_{50} values are 50 nM and 58 nM for UNC0224, respectively. UNC0224 is inactive against SET7/9, SET8/PreSET7, PRMT3, and JMJD2E. In ITC experiments, the K_d of UNC0224 to the G9a protein is 23 nM.
CAS No.	1197196-48-7
Chemical Formula	C ₂₆ H ₄₃ N ₇ O ₂
Molecular Weight	485.677
Solubility	DMSO: 16 mg/mL (32.94 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure
OR
Tested Image



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