



Product Information

HMT inhibitor UNC0638, Purity ≥98%

Cat. No.: X24-05-ZQ546

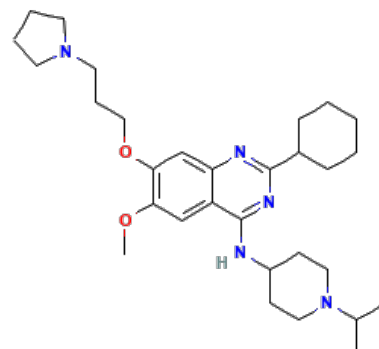
Size: 10 mg; 25 mg; 50 mg

CAS Number: 1255580-76-7

Compound CID: 46224516

Synonym: 1255580-76-7; UNC 0638; UNC-0638; Histone methyltransferase inhibitor

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



Product Information

Description	UNC0638, soluble in DMSO, water and ethanol, inhibits the enzymes that add methyl groups to histone proteins, altering chromatin structure and gene expression.
Molecular Weight	509.72
Molecular Formula	C ₃₀ H ₄₇ N ₅ O ₂
IUPAC Name	2-Cyclohexyl-6-methoxy- <i>N</i> -(1-propan-2-ylpiperidin-4-yl)-7-(3-pyrrolidin-1-ylpropoxy)quinazolin-4-amine
InChI	InChI=1S/C30H47N5O2/c1-22(2)35-17-12-24(13-18-35)31-30-25-20-27(36-3)28(37-19-9-16-34-14-7-8-15-34)21-26(25)32-29(33-30)23-10-5-4-6-11-23/h20-24H,4-19H2,1-3H3,(H,31,32,33)
InChI Key	QOECJCJVIMVJGX-UHFFFAOYSA-N
Canonical SMILES	CC(C)N1CCC(CC1)NC2=NC(=NC3=CC(=C(C=C32)OC)OCCCN4CCCC4)C5CCCCC5
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 87 mg/mL (170.68 mM); Water: 5 mg/mL (9.81 mM); Ethanol: 87 mg/mL (170.68 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	UNC0638 can be used to inhibit G9a/GLP, impacting epigenetic modifications associated with diseases.
Storage	Store at -20°C.