



Product Information

HMT inhibitor UNC0642, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ547

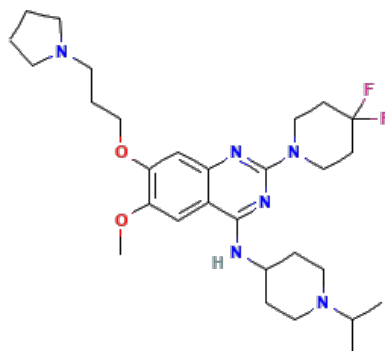
Size: 10 mg; 25 mg; 50 mg

CAS Number: 1481677-78-4

Compound CID: 53315878

Synonym: 1481677-78-4; UNC 0642; UNC-0642; Histone methyltransferase inhibitor

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



Product Information

Description	UNC0642, soluble in DMSO and ethanol and insoluble in water, inhibits the enzymes that add methyl groups to histone proteins, altering chromatin structure and gene expression.
Molecular Weight	546.69
Molecular Formula	C ₂₉ H ₄₄ F ₂ N ₆ O ₂
IUPAC Name	2-(4,4-Difluoropiperidin-1-yl)-6-methoxy-N-(1-propan-2-ylpiperidin-4-yl)-7-(3-pyrrolidin-1-ylpropoxy)quinazolin-4-amine
InChI	InChI=1S/C29H44F2N6O2/c1-21(2)36-14-7-22(8-15-36)32-27-23-19-25(38-3)26(39-18-6-13-35-11-4-5-12-35)20-24(23)33-28(34-27)37-16-9-29(30,31)10-17-37/h19-22H,4-18H2,1-3H3,(H,32,33,34)
InChI Key	RNAMYOYQYRYFQY-UHFFFAOYSA-N
Canonical SMILES	CC(C)N1CCC(CC1)NC2=NC(=NC3=CC(=C(C=C32)OC)OCCCN4CCCC4)N5CCC(CC5)(F)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 88 mg/mL (160.96 mM); Water: Insoluble; Ethanol: 88 mg/mL (160.96 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	UNC0642 can be used to probe the function of G9a and GLP methyltransferases in cellular models.
Storage	Store at -20°C.