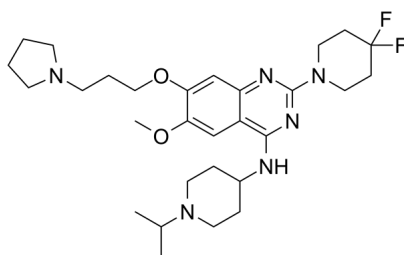


Data Sheet

Product Information

Catalog Number	BP14265
Product Name	UNC0642
Description	UNC0642 is an effective and specific G9a/GLP inhibitor (IC ₅₀ < 2.5 nM).
Targets&IC ₅₀	G9a:<2.5 nM, GLP:<2.5 nM
In vitro	UNC0642 (K _i : 3.7±1 nM) is competitive with the peptide substrate and non-competitive with the cofactor SAM. UNC0642 is more than 300-fold selective for G9a and GLP over a broad range of kinases, transporters, GPCRs, and ion channels. UNC0642 exhibits high potency at low cell toxicity, reducing the H3K9me ₂ mark, and good separation of functional potency in a number of cell lines.
In vivo	UNC0642 (5 mg/kg, i.p.) results in a plasma C _{max} of 947 ng/mL and an AUC of 1265 h·ng/ml.
Synonyms	UNC 0642, UNC-0642
CAS No.	1481677-78-4
Chemical Formula	C ₂₉ H ₄₄ F ₂ N ₆ O ₂
Molecular Weight	546.708
Solubility	DMSO: 295 mg/mL), Need ultrasonic and warming
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure
OR
Tested Image



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