

Targets&IC50	G9a:<2.5 nM, GLP:<2.5 nM
In vitro	UNC0642 (Ki: 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 H3K9me2 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 Cmax of 947 ng/mL and an AUC of 1265 h·ng/ml.

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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