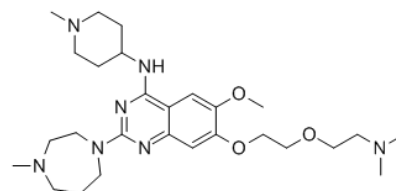


**Product Name** : UNC0321  
**Cat. No.** : PC-42741  
**CAS No.** : 1238673-32-9  
**Molecular Formula** : C<sub>27</sub>H<sub>45</sub>N<sub>7</sub>O<sub>3</sub>  
**Molecular Weight** : 515.6913  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : DMSO: ≥ 31 mg/mL



### Biological Activity

UNC0321 (UNC-0321) is a highly potent, selective histone methyltransferase **G9a** inhibitor with K<sub>i</sub> of 63 pM.

UNC0321 inhibits G9a and GLP with IC<sub>50</sub> of 6 nM and 23 nM in CLOT biochemical assays.

UNC0321 displays >1000-fold selectivity for G9a over SET7/9, SET8, PRMT3 and JMJD2E (IC<sub>50</sub>>4 μM); but lacks sufficient cellular potency.

### References

Liu F, et al. *J Med Chem*. 2010 Aug 12;53(15):5844-57.

Liu F, et al. *J Med Chem*. 2011 Sep 8;54(17):6139-50.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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