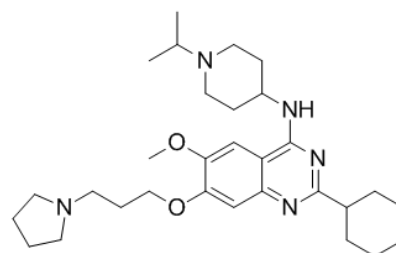


Product Name : UNC0638
Cat. No. : PC-44291
CAS No. : 1255580-76-7
Molecular Formula : C₃₀H₄₇N₅O₂
Molecular Weight : 509.7265
Target : Histone Methyltransferase (HMTase)
Solubility : DMSO: ≥ 30 mg/mL



Biological Activity

UNC0638 (UNC 0638) is a potent, selective, substrate-competitive inhibitor of **G9a (EHMT2)** and **GLP (EHMT1)** with IC₅₀ of <15 nM and 19 nM in SAHH-coupled assays, respectively, UNC0638 shows very weak activity against Jmjd2E and DNMT1. UNC0638 is inactive against EZH2, SETD7, DOT1L and SETD8. UNC0638 reduces the clonogenicity of MCF7 cells and the abundance of H3K9me2.

References

- Vedadi M, et al. *Nat Chem Biol*. 2011 Jul 10;7(8):566-74.
Yu H, et al. *Cell Death Dis*. 2013 Feb 21;4:e506.
Renneville A, et al. *Blood*. 2015 Oct 15;126(16):1930-9.

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

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