

Data Sheet

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 Product Name
 :
 MS8511

 Cat. No.
 :
 PC-47080

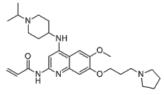
 CAS No.
 :
 2866408-21-9

 Molecular Formula
 :
 C₂₈H₄₁N₅O₃

 Molecular Weight
 :
 495.668

Target : Histone Methyltransferase (HMTase)

Solubility : 10 mM in DMSO



Biological Activity

MS8511 is a first-in-class **G9a/GLP** covalent, irreversible inhibitor with IC50 of 100/140 nM respectively, displays improved potency in enzymatic and cellular assays compare with noncovalent G9a/GLP inhibitor UNC0642. MS8511 also displayed potential kinetic preference for covalently modifying G9a over GLP. MS8511 is a useful chemical tool for studying the functional roles of G9a and GLP by covalently modifying and inhibiting these methyltransferases.

References

Kwang-Su Park, et al. *J Med Chem.* 2022 Jun 28. doi: 10.1021/acs.jmedchem.2c00652.

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

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