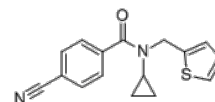


Product Name : MR837
Cat. No. : PC-72292
CAS No. : 1210906-48-1
Molecular Formula : C₁₆H₁₄N₂OS
Molecular Weight : 282.361
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO (2.8 mg/mL)



Biological Activity

MR837 (NSD2-PWWP1 inhibitor 3f) is a small-molecule antagonist (inhibitor) that binds to the **NSD2**-PWWP1 domain (SPR K_d=3.4 uM, NSD2 IC₅₀=17.3 uM), abrogates histone H3K36me₂ binding to the PWWP1 domain in cells.

MR837 (NSD2-PWWP1 inhibitor 3f) decreased the interaction of NSD2-PWWP1 but not NSD3-PWWP1 with histone 3 in cells in a dose-dependent manner with an IC₅₀ of 17.3 uM.

References

Renato Ferreira de Freitas, et al. *J Med Chem.* 2021 Feb 11;64(3):1584-1592.

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

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