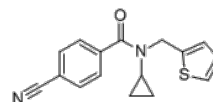


**Product Name** : MR837  
**Cat. No.** : PC-72292  
**CAS No.** : 1210906-48-1  
**Molecular Formula** : C<sub>16</sub>H<sub>14</sub>N<sub>2</sub>OS  
**Molecular Weight** : 282.361  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : 10 mM in DMSO (2.8 mg/mL)



### Biological Activity

MR837 (NSD2-PWWP1 inhibitor 3f) is a small-molecule antagonist (inhibitor) that binds to the **NSD2**-PWWP1 domain (SPR K<sub>d</sub>=3.4 uM, NSD2 IC<sub>50</sub>=17.3 uM), abrogates histone H3K36me<sub>2</sub> 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 IC<sub>50</sub> 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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