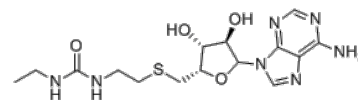


**Product Name** : DS-437  
**Cat. No.** : PC-35043  
**CAS No.** : 1674364-87-4  
**Molecular Formula** : C<sub>15</sub>H<sub>23</sub>N<sub>7</sub>O<sub>4</sub>S  
**Molecular Weight** : 397.454  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : 10 mM in DMSO



## Biological Activity

DS-437 is a potent, selective, dual inhibitor of **PRMT5** and **PRMT7** with IC<sub>50</sub> of 6.0 μM for both, DS-437 is inactive against 29 other human protein-, DNA-, and RNA-methyltransferases.

DS-437 inhibits methylation of full-length histone 4 by PRMT5-MEP50 with an IC<sub>50</sub> of 37 ± 1.2 μM in a biochemical assay.

DS-437 inhibits symmetrical dimethylation of PRMT5 substrates in cells.

## References

Smil D, et al. *ACS Med Chem Lett.* 2015 Mar 2;6(4):408-12.

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

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