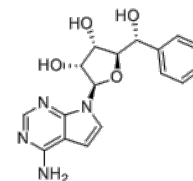


**Product Name** : LLY-283  
**Cat. No.** : PC-63461  
**CAS No.** : 2040291-27-6  
**Molecular Formula** : C<sub>17</sub>H<sub>18</sub>N<sub>4</sub>O<sub>4</sub>  
**Molecular Weight** : 342.36  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : 10 mM in DMSO



### Biological Activity

LLY-283 (LLY283) is a potent, selective inhibitor of arginine methyltransferase 5 (**PRMT5**) with IC<sub>50</sub> of 22 nM.

LLY-283 displays excellent activity against other arginine methyltransferases including the closely related PRMT7 and the type II PRMTs such as PRMT4 and 6.

LLY-283 decreases SmBB'-Rme2s levels in MCF7 cells with IC<sub>50</sub> of 25 nM, also inhibits the PRMT5 mediated regulation of the splicing of MDM4.

LLY-283 inhibits proliferation of A375 cells with IC<sub>50</sub> of 45.6 nM.

LLY-283 inhibits Tumor growth in mouse xenograft (A375, 20 mg/kg; QD).

### References

Zahid Q. Bonday, et al. **ACS Med. Chem. Lett.** 2018. DOI: 10.1021/acsmedchemlett.8b00014.

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

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