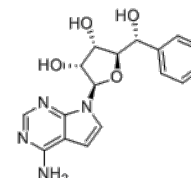

Product Name	: LLY-283
Cat. No.	: PC-63461
CAS No.	: 2040291-27-6
Molecular Formula	: C ₁₇ H ₁₈ N ₄ O ₄
Molecular Weight	: 342.36
Target	: Histone Methyltransferase (HMTase)
Solubility	: 10 mM in DMSO



Biological Activity

LLY-283 (LLY283) is a potent, selective inhibitor of arginine methyltransferase 5 (**PRMT5**) with IC₅₀ 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 IC₅₀ of 25 nM, also inhibits the PRMT5 mediated regulation of the splicing of MDM4.

LLY-283 inhibits proliferation of A375 cells with IC₅₀ 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/acsmchemlett.8b00014.

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

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