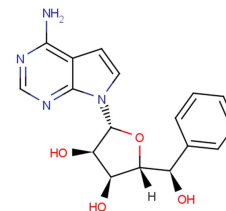


Data Sheet (Cat.No.T15767)

LLY-283

Chemical Properties

CAS No.:	2040291-27-6
Formula:	C ₁₇ H ₁₈ N ₄ O ₄
Molecular Weight:	342.35
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	LLY-283 is an effective and selective inhibitor of protein arginine methyltransferase 5 (PRMT5) (IC ₅₀ : 22 nM and a K _d : 6 nM for PRMT5:MEP50 complex). It also shows antitumor activity.
Targets(IC ₅₀)	PRMT5;MEP50: (ki)6 nM
In vitro	LLY-283 inhibits the proliferation of A375 cell (IC ₅₀ : 46 nM).
In vivo	After treatment for 28 days, LLY-283 (20 mg/kg; p.o., QD (once a day)) induces a significant inhibition on tumor growth in mice bearing A375 cells.

Solubility Information

Solubility	DMSO: 250 mg/mL (730.25 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.921 mL	14.605 mL	29.21 mL
5 mM	0.584 mL	2.921 mL	5.842 mL
10 mM	0.292 mL	1.46 mL	2.921 mL
50 mM	0.058 mL	0.292 mL	0.584 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Zahid Q. Bonday, et al. LLY-283, a Potent and Selective Inhibitor of Arginine Methyltransferase 5, PRMT5, with Antitumor Activity. ACS Med. Chem. Lett., 2018, 9 (7), pp 612-617.

Inhibitors · Natural Compounds · Compound Libraries

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