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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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LLY-283

Chemical Properties

CAS No. : 2040291-27-6

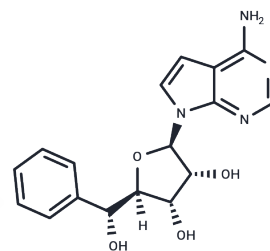
Formula: C₁₇H₁₈N₄O₄

Molecular Weight: 342.35

Appearance: no data available

Storage: store at low temperature

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	LLY-283 is a potent, selective and oral protein arginine methyltransferase 5 (PRMT5) inhibitor, with an IC ₅₀ of 22 nM and a K _d of 6 nM for PRMT5:MEP50 complex, and shows antitumor activity.
Targets(IC ₅₀)	Histone Methyltransferase
In vitro	LLY-283 is a potent, oral and selective arginine methyltransferase 5 (PRMT5) inhibitor, with an IC ₅₀ of 22 nM in vitro and 25 nM in cells, as well as a K _d of 6 nM for PRMT5:MEP50 complex in vitro; LLY-283 inhibits the proliferation of A375 cell with an IC ₅₀ of 46 nM[1].
In vivo	LLY-283 administered orally at a dose of 20 mg/kg daily significantly inhibits tumor growth in A375 cell-bearing mice over a 28-day treatment period[1].

Solubility Information

Solubility	H ₂ O: 3.57 mg/mL (10.43 mM), Sonication and heating to 60°C are recommended. DMSO: 112.5 mg/mL (328.6 mM), Sonication is recommended. (< 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	14.6049 mL	29.2099 mL
5 mM	0.5842 mL	2.921 mL	5.842 mL
10 mM	0.2921 mL	1.4605 mL	2.921 mL
50 mM	0.0584 mL	0.2921 mL	0.5842 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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