

EPZ020411

Chemical Properties

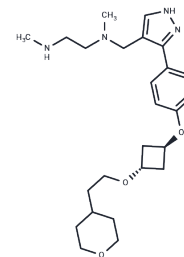
CAS No. : 1700663-41-7

Formula: C₂₅H₃₈N₄O₃

Molecular Weight: 442.6

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

Actual storage temperature shall be subject to the COA.



Biological Description

Description	EPZ020411 is a specific and effective inhibitor of PRMT6 (IC ₅₀ =10 nM).
Targets(IC ₅₀)	Apoptosis,Histone Methyltransferase
In vitro	In PRMT6-overexpressing cells, EPZ020411 does-dependently inhibits H3R2 methylation.
In vivo	in vivo: EPZ020411 shows good bioavailability following subcutaneous (SC) dosing in rats making it a suitable tool for in vivo studies.

Solubility Information

Solubility	DMSO: 10 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 1 mg/mL (2.26 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2594 mL	11.2969 mL	22.5938 mL
5 mM	0.4519 mL	2.2594 mL	4.5188 mL
10 mM	0.2259 mL	1.1297 mL	2.2594 mL
50 mM	0.0452 mL	0.2259 mL	0.4519 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Mitchell LH, et al. Aryl Pyrazoles as Potent Inhibitors of Arginine Methyltransferases: Identification of the First PRMT6 ToolCompound. ACS Med Chem Lett. 2015 Apr 6;6(6):655-659.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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