

EPZ011989

Chemical Properties

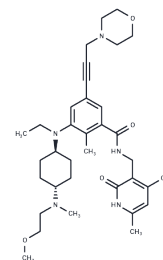
CAS No. : 1598383-40-4

Formula: C₃₅H₅₁N₅O₄

Molecular Weight: 605.81

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	EPZ011989 is a effective, specific orally bioavailable EZH2 inhibitor with Ki 3 nM for EZH2 Y646 and EZH2 wt; 15-fold selectivity over EZH1 and >3000-fold selectivity over other HMTase.
Targets(IC50)	Histone Methyltransferase

Solubility Information

Solubility	DMSO: 3.8 mg/mL (6.27 mM),Sonication is recommended. Ethanol: 100 mg/mL (165.07 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 (1.65 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	1.6507 mL	8.2534 mL	16.5068 mL
5 mM	0.3301 mL	1.6507 mL	3.3014 mL
10 mM	0.1651 mL	0.8253 mL	1.6507 mL
50 mM	0.033 mL	0.1651 mL	0.3301 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

Campbell JE, et al. ACS Med Chem Lett. 2015 Mar 4;6(5):491-495.

Zhang R, Chen Y, Feng Z, et al. Reprogramming Human Urine Cells into Intestinal Organoids with Long-Term Expansion Ability and Barrier Function. Heliyon. 2024

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