Data Sheet (Cat.No.T12428L)

PF-06726304

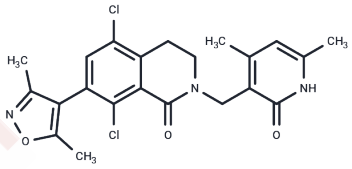
Chemical Properties

CAS No. : 1616287-82-1

Formula: C22H21Cl2N3O3

Molecular Weight: 446.33

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	PF-06726304 shows robust antitumor growth activity. PF-06726304 is an effective and selective EZH2 inhibitor. PF-06726304 inhibits wild-type and Y641N mutant EZH2 (Kis: 0.7 and 3.0 nM, respectively).
Targets(IC50)	Histone Methyltransferase
In vitro	PF-06726304 suppresses the proliferation of Karpas-422 cells that harbor wild-type EZH2 (IC50: 25 nM). PF-06726304 suppresses H3K27me3 in Karpas-422 (IC50: 15 nM) [1].
In vivo	In a subcutaneous Karpas-422 xenograft model, PF-06726304 (200 and 300 mg/kg; BID for 20 days) suppresses tumor growth and causes robust modulation of downstream biomarkers[1].

Solubility Information

Solubility	DMSO: 45 mg/mL (100.82 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 (2.24 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2405 mL	11.2025 mL	22.4049 mL
5 mM	0.4481 mL	2.2405 mL	4.481 mL
10 mM	0.224 mL	1.1202 mL	2.2405 mL
50 mM	0.0448 mL	0.224 mL	0.4481 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

Kung PP, et al. Design and Synthesis of Pyridone-Containing 3,4-Dihydroisoquinoline-1(2H)-ones as a Novel Class of Enhancer of Zeste Homolog 2 (EZH2) Inhibitors. J Med Chem. 2016 Sep 22;59(18):8306-25.