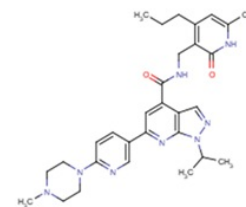


JQEZ5

## Chemical Properties

CAS No.:	1913252-04-6
Formula:	C30H38N8O2
Molecular Weight:	542.68
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	JQEZ5 is an inhibitor of EZH2 lysine methyltransferase (IC50 = 11.1 nM).
Targets(IC50)	EZH2: None
In vivo	JQEZ5 inhibits colony formation of primary human CD34+ chronic myelogenous leukemia (CML) stem/progenitor cells but not non-cancerous human CD34+ hematopoietic stem/progenitor cells when used at concentrations ranging from 0.5 to 5 µM

## Solubility Information

Solubility	DMSO: 25 mg/mL (46.07 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.843 mL	9.214 mL	18.427 mL
5 mM	0.369 mL	1.843 mL	3.685 mL
10 mM	0.184 mL	0.921 mL	1.843 mL
50 mM	0.037 mL	0.184 mL	0.369 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

- Xie H , Peng C , Huang J , et al. Chronic Myelogenous Leukemia- Initiating Cells Require Polycomb Group Protein EZH2[J]. Cancer Discovery, 2016, 6(11).
- Zhang H, et al. Oncogenic Deregulation of EZH2 as an Opportunity for Targeted Therapy in Lung Cancer. Cancer Discov. 2016 Sep;6(9):1006-21.

Inhibitors · Natural Compounds · Compound Libraries

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