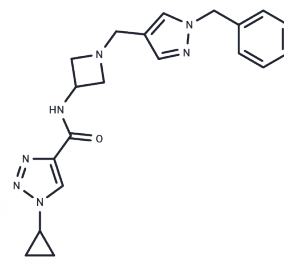


EPZ032597

## Chemical Properties

CAS No. : 1887193-58-9  
 Formula: C<sub>20</sub>H<sub>23</sub>N<sub>7</sub>O  
 Molecular Weight: 377.44  
 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	EPZ032597 is a novel selective inhibitor of SMYD2 with an IC <sub>50</sub> of 16 nM. EPZ032597 has anticancer activity and can be used to prevent and treat pancreatic cancer.
Targets(IC <sub>50</sub> )	Histone Methyltransferase

## Solubility Information

Solubility	DMSO: 55 mg/mL (145.72 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	2.6494 mL	13.2471 mL	26.4943 mL
5 mM	0.5299 mL	2.6494 mL	5.2989 mL
10 mM	0.2649 mL	1.3247 mL	2.6494 mL
50 mM	0.053 mL	0.2649 mL	0.5299 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

Alshammari E, et al. Mechanistic and functional extrapolation of SET and MYND domain-containing protein 2 to pancreatic cancer. World J Gastroenterol. 2022 Aug 7;28(29):3753-3766.

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