# Data Sheet (Cat.No.T40318)



## EPZ-719

Chemical Propert	ies	
CAS No. :	2697176-16-0	0. F
Formula:	C22H31FN4O3S	
Molecular Weight:	450.57	
Appearance:	no data available	
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year	H <sub>3</sub> C , CH <sub>3</sub>

#### **Biological Description**

Description	EPZ-719 is a highly selective and potent inhibitor of SETD2, a novel compound known
<b>(</b> 3)	for its ability to inhibit the enzymatic activity of SETD2 (IC50 = 0.005 $\mu$ M). This compound displays a remarkable selectivity over other histone methyltransferases, making it a
	promising candidate for targeted therapeutic applications in the field of epigenetic research.

#### **Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM 🛞	2.2194 mL	11.0971 mL	22.1941 mL
5 mM	0.4439 mL	2.2194 mL	4.4388 mL
10 mM	0.2219 mL	1.1097 mL	2.2194 mL
50 mM	0.0444 mL	0.2219 mL	0.4439 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.

#### Reference

Lampe JW, et al. Discovery of a First-in-Class Inhibitor of the Histone Methyltransferase SETD2 Suitable for Preclinical Studies. ACS Med Chem Lett. 2021 Aug 24;12(10):1539-1545.

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