

EPZ-719

Chemical Properties

CAS No. : 2697176-16-0

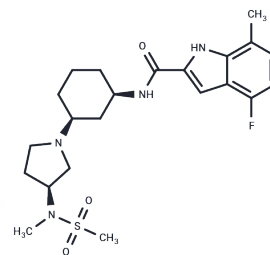
Formula: C₂₂H₃₁N₂S

Molecular Weight: 450.57

Store at low temperature

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	EPZ-719 is a selective and orally available SETD2 inhibitor (IC ₅₀ = 0.005 μM), with anti-cancer activity, and can be used for hematological malignancies.
Targets(IC ₅₀)	Histone Methyltransferase
In vivo	EPZ-719 (14 days) inhibited cell proliferation in KMS34 and KMS11 cells, with IC ₅₀ values of 0.025 μM and 0.211 μM, respectively [1].

Solubility Information

Solubility	DMSO: 40 mg/mL (88.78 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	2.2194 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.

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

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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