

EZM0414 TFA

Chemical Properties

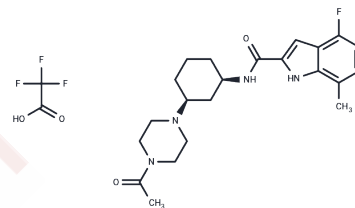
CAS No. : 2411759-92-5

Formula: C₂₄H₃₀F₄N₄O₄

Molecular Weight: 514.51

Storage: Keep away from moisture, Store under nitrogen
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	EZM0414 TFA (SETD2-IN-1 TFA) is a SETD2 inhibitor with anticancer and antiproliferative effects for the study of leukemia and immune dysfunction.
Targets(IC50)	Histone Methyltransferase

Solubility Information

Solubility	H ₂ O: 2 mg/mL (3.89 mM), Sonication is recommended. DMSO: 120 mg/mL (233.23 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: 5 mg/mL (9.72 mM), Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9436 mL	9.718 mL	19.436 mL
5 mM	0.3887 mL	1.9436 mL	3.8872 mL
10 mM	0.1944 mL	0.9718 mL	1.9436 mL
50 mM	0.0389 mL	0.1944 mL	0.3887 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

Alford JS, et al. Conformational-Design-Driven Discovery of EZM0414: A Selective, Potent SETD2 Inhibitor for Clinical Studies. ACS Med Chem Lett. 2022 Jun 7;13(7):1137-1143.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481