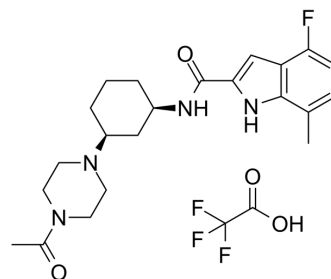


EZM0414 TFA

Cat. No.:	HY-136328
CAS No.:	2411759-92-5
Molecular Formula:	C ₂₄ H ₃₀ F ₄ N ₄ O ₄
Molecular Weight:	514.51
Target:	Histone Methyltransferase
Pathway:	Epigenetics
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 2 years; -20°C, 1 year (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 200 mg/mL (388.72 mM; Need ultrasonic)
H₂O : 6.67 mg/mL (12.96 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.9436 mL	9.7180 mL	19.4360 mL
	5 mM	0.3887 mL	1.9436 mL	3.8872 mL
	10 mM	0.1944 mL	0.9718 mL	1.9436 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 5 mg/mL (9.72 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 5 mg/mL (9.72 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 5 mg/mL (9.72 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

EZM0414 TFA is a potent, selective and orally active inhibitor of SETD2 which is a human histone methyltransferase. EZM0414 TFA has anti-proliferative effects^[1].

IC₅₀ & Target

SETD2^[1]

CUSTOMER VALIDATION

-
- Cell Stem Cell. 2023 Apr 6;30(4):450-459.e9.
 - Nat Chem Biol. 2023 Mar 27.
 - Research Square Preprint. 2023 May 26.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. John Lampe, et al. Substituted indoles and methods of use thereof. WO2020037079A1.

Caution: Product has not been fully validated for medical applications. For research use only.

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