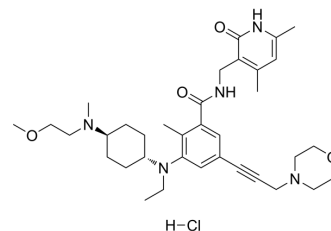


EPZ011989 hydrochloride

Cat. No.:	HY-16986B
CAS No.:	2095432-26-9
Molecular Formula:	C ₃₅ H ₅₂ ClN ₅ O ₄
Molecular Weight:	642.27
Target:	Histone Methyltransferase
Pathway:	Epigenetics
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (155.70 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.5570 mL	7.7849 mL	15.5698 mL
				5 mM	0.3114 mL	1.5570 mL	3.1140 mL
				10 mM	0.1557 mL	0.7785 mL	1.5570 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (3.89 mM); Clear solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (3.89 mM); Clear solution; Need ultrasonic						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (3.89 mM); Clear solution; Need ultrasonic						

BIOLOGICAL ACTIVITY

Description	EPZ011989 hydrochloride is a potent and orally active Zeste Homolog 2 (EZH2) inhibitor, with a K _i value of <3 nM. EPZ011989 shows anti-tumor activity. EPZ011989 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups ^[1] .
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CUSTOMER VALIDATION

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- Proc Natl Acad Sci U S A. 2019 Feb 19;116(8):2961-2966.
 - J Immunother Cancer. 2021 May;9(5):e001335.

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REFERENCES

[1]. Campbell JE, et al. EPZ011989, A Potent, Orally-Available EZH2 Inhibitor with Robust in Vivo Activity. ACS Med Chem Lett. 2015 Mar 4;6(5):491-495.

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

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