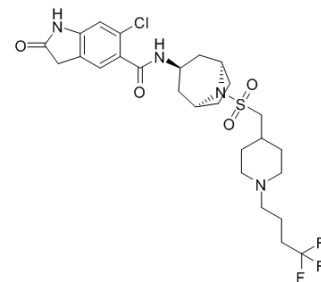


EPZ031686

Cat. No.:	HY-19324		
CAS No.:	1808011-22-4		
Molecular Formula:	C ₂₆ H ₃₄ ClF ₃ N ₄ O ₄ S		
Molecular Weight:	591.09		
Target:	Histone Methyltransferase		
Pathway:	Epigenetics		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 5.9 mg/mL (9.98 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.6918 mL	8.4589 mL	16.9179 mL
	5 mM	0.3384 mL	1.6918 mL	3.3836 mL
	10 mM	---	---	---

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

In Vivo

1. Add each solvent one by one: 30% PEG300 >> 70% (20% SBE-β-CD in saline)
 Solubility: 10 mg/mL (16.92 mM); Suspended solution; Need ultrasonic and warming

BIOLOGICAL ACTIVITY

Description

EPZ031686 is an orally available SMYD3 inhibitor with an IC₅₀ of 3 nM in cell-free assay.

REFERENCES

- [1]. Mitchell LH et al. Novel Oxindole Sulfonamides and Sulfamides: EPZ031686, the First Orally Bioavailable Small Molecule SMYD3 Inhibitor. ACS Med Chem Lett. 2015 Aug 27;7(2):134-8.

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

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