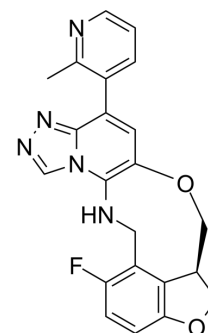


Pociredir

Cat. No.:	HY-139400		
CAS No.:	2490676-18-9		
Molecular Formula:	C ₂₂ H ₁₈ FN ₅ O ₂		
Molecular Weight:	403.41		
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 : 25 mg/mL (61.97 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.4789 mL	12.3943 mL	24.7887 mL
		5 mM	0.4958 mL	2.4789 mL	4.9577 mL
10 mM		0.2479 mL	1.2394 mL	2.4789 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.16 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1 mg/mL (2.48 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1 mg/mL (2.48 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Pociredir (FTX-6058) is a potent and orally active inhibitor of Embryonic Ectoderm Development (EED). Pociredir can induce HbF protein expression in cell and murine models. Pociredir can be used for the research of select hemoglobinopathies, including sickle cell disease and β-thalassemia ^{[1][2]} .
In Vitro	Pociredir inhibits PRC2 via binding to EED, which induces robust HbF protein expression in both cell and murine models ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Boerner LK. Virtual meeting delivers first time drug structures. April 12, 2021.

[2]. Fulcrum Therapeutics Presents Published Structure of Investigational Small Molecule FTX-6058 at the American Chemical Society (ACS) Spring 2021 Virtual Conference.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA