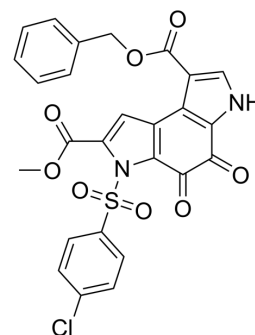


F5446

Cat. No.:	HY-150190		
CAS No.:	2304465-89-0		
Molecular Formula:	C ₂₆ H ₁₇ ClN ₂ O ₈ S		
Molecular Weight:	552.94		
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 : 100 mg/mL (180.85 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		1.8085 mL	9.0426 mL	18.0851 mL
		5 mM		0.3617 mL	1.8085 mL	3.6170 mL
10 mM			0.1809 mL	0.9043 mL	1.8085 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 15% Cremophor EL >> 85% Saline Solubility: 2 mg/mL (3.62 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% Cremophor EL in PBS Solubility: 1.82 mg/mL (3.29 mM); Suspended solution; Need ultrasonic and warming and heat to 60°C 					

BIOLOGICAL ACTIVITY

Description	F5446 (compound 1) is an inhibitor of SUV39H1 methyltransferase. F5446 induces human colon carcinoma cell death in a dose-dependent manner ^[1] .
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REFERENCES

[1]. Chunwan Lu, et al. Small molecule histone methyltransferase SUV39H1 inhibitor and uses thereof. US10577371B2. 2018.

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

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