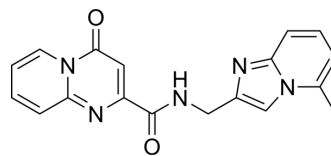


STM2120

Cat. No.:	HY-153625		
CAS No.:	2762286-04-2		
Molecular Formula:	C ₁₈ H ₁₅ N ₅ O ₂		
Molecular Weight:	333.34		
Target:	METTL3		
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 (299.99 mM); ultrasonic and warming and heat to 80°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.9999 mL	14.9997 mL	29.9994 mL
		5 mM	0.6000 mL	2.9999 mL	5.9999 mL
10 mM		0.3000 mL	1.5000 mL	2.9999 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 (7.50 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (7.50 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	STM2120 is a METTL3-METTL14 inhibitor with an IC ₅₀ of 64.5 μM ^[1] .
IC ₅₀ & Target	IC50: 64.5 μM (METTL3-METTL14) ^[1]
In Vitro	STM2120 (0.04-50 μM; 72 h) shows no effect on the proliferation of MOLM-13 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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