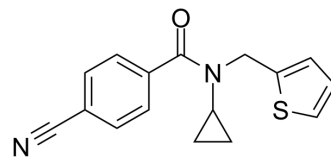


MR837

Cat. No.:	HY-138283		
CAS No.:	1210906-48-1		
Molecular Formula:	C ₁₆ H ₁₄ N ₂ OS		
Molecular Weight:	282.36		
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 (354.16 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.5416 mL	17.7079 mL	35.4158 mL
		5 mM	0.7083 mL	3.5416 mL	7.0832 mL
10 mM		0.3542 mL	1.7708 mL	3.5416 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: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.85 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.85 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.85 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	MR837 is an inhibitor of NSD2-PWWP1. MR837 can bind with human nuclear receptor binding SET domain protein 2 (PWWP domain) ^[1] .
In Vitro	MR837 is a NSD2-PWWP1 inhibitor ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Liu Y, et, al. PWWP1 domain of NSD2 in complex with MR837.

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

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