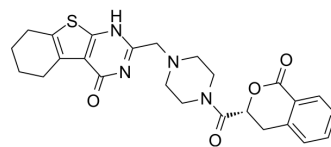


LEM-14

Cat. No.:	HY-114340		
CAS No.:	1814881-70-3		
Molecular Formula:	C ₂₅ H ₂₆ N ₄ O ₄ S		
Molecular Weight:	478.56		
Target:	Histone Methyltransferase		
Pathway:	Epigenetics		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (104.48 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.0896 mL	10.4480 mL	20.8960 mL
				5 mM	0.4179 mL	2.0896 mL	4.1792 mL
				10 mM	0.2090 mL	1.0448 mL	2.0896 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: ≥ 2.5 mg/mL (5.22 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	LEM-14 is a potent NSD2 inhibitor with an IC ₅₀ of 132 μM. LEM-14 has the potential for the research of multiple myeloma ^[1] .
IC ₅₀ & Target	NSD2 ^[1]

REFERENCES

[1]. Shen Y, et al. Identification of LEM-14 inhibitor of the oncoprotein NSD2. Biochem Biophys Res Commun. 2019 Jan 1;508(1):102-108.

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

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