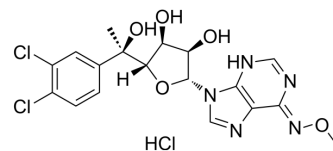


## PRMT5-IN-29

<b>Cat. No.:</b>	HY-153422
<b>CAS No.:</b>	2242788-69-6
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>20</sub> Cl <sub>3</sub> N <sub>5</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	492.74
<b>Target:</b>	Histone Methyltransferase
<b>Pathway:</b>	Epigenetics
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 130 mg/mL (263.83 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.0295 mL	10.1473 mL	20.2947 mL
	5 mM	0.4059 mL	2.0295 mL	4.0589 mL
	10 mM	0.2029 mL	1.0147 mL	2.0295 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 3.25 mg/mL (6.60 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 3.25 mg/mL (6.60 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

PRMT5-IN-29 is a potent and orally active PRMT5 Inhibitor with an IC<sub>50</sub> of 1.5 μM. PRMT5-IN-29 has the potential for advanced cancers research<sup>[1]</sup>.

### REFERENCES

- [1]. Liang Lu, et al. Brm targeting compounds and associated methods of use. Patent WO2023287787A1.

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**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](mailto:tech@MedChemExpress.com)

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