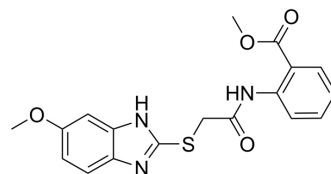


## PRMT5-IN-30

Cat. No.:	HY-Q36691		
CAS No.:	330951-01-4		
Molecular Formula:	C <sub>18</sub> H <sub>17</sub> N <sub>3</sub> O <sub>4</sub> S		
Molecular Weight:	371.41		
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



## BIOLOGICAL ACTIVITY

Description	PRMT5-IN-30 (compound 17) is a potent and selective protein arginine methyltransferase 5 (PRMT5) inhibitor with an IC <sub>50</sub> of 0.33 μM and a K <sub>d</sub> of 0.987 μM. PRMT5-IN-30 exhibits a broad selectivity against a panel of other methyltransferases. PRMT5-IN-30 inhibits PRMT5 mediated SmD3 methylation <sup>[1]</sup> .	
IC <sub>50</sub> & Target	PRMT5	PRMT5
	0.33 μM (IC <sub>50</sub> )	0.987 μM (K <sub>d</sub> )

## REFERENCES

[1]. Ruifeng Mao, et al. Potent, Selective, and Cell Active Protein Arginine Methyltransferase 5 (PRMT5) Inhibitor Developed by Structure-Based Virtual Screening and Hit Optimization. *J Med Chem.* 2017 Jul 27;60(14):6289-6304.

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

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