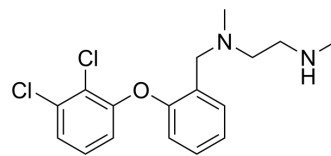


DCPT1061

Cat. No.:	HY-162003	
CAS No.:	2289726-31-2	
Molecular Formula:	C ₁₇ H ₂₀ Cl ₂ N ₂ O	
Molecular Weight:	339.26	
Target:	Histone Methyltransferase	
Pathway:	Epigenetics	
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 250 mg/mL (736.90 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.9476 mL	14.7380 mL	29.4759 mL
5 mM	0.5895 mL	2.9476 mL	5.8952 mL
10 mM	0.2948 mL	1.4738 mL	2.9476 mL

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

BIOLOGICAL ACTIVITY

Description

DCPT1061 potently inhibits PRMT1, PRMT6 and PRMT8 in vitro with less inhibitory effect on PRMT3, PRMT4, and PRMT5 or other epigenetic enzymes. DCPT1061 has antitumor effect^{[1][2]}.

REFERENCES

- [1]. Jianfeng Wang, et al. PRMT1 is a novel molecular therapeutic target for clear cell renal cell carcinoma. *Theranostics*. 2021 Mar 12;11(11):5387-5403.
- [2]. Hongru Tao, et al. PRMT1 inhibition activates the interferon pathway to potentiate antitumor immunity and enhance checkpoint blockade efficacy in melanoma. *Cancer Res*. 2023 Nov 22.

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

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