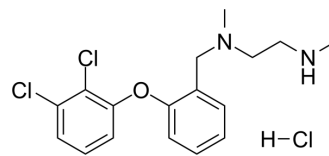


DCPT1061 hydrochloride

Cat. No.: HY-162003A
Molecular Formula: C₁₇H₂₁Cl₃N₂O
Molecular Weight: 375.72
Target: Histone Methyltransferase
Pathway: Epigenetics
Storage: -20°C, sealed storage, away from moisture
 * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (133.08 mM); ultrasonic and warming and heat to 60°C

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6616 mL	13.3078 mL	26.6156 mL
	5 mM	0.5323 mL	2.6616 mL	5.3231 mL
	10 mM	0.2662 mL	1.3308 mL	2.6616 mL

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

BIOLOGICAL ACTIVITY

Description

DCPT1061 hydrochloride has a strong inhibitory effect on PRMT1, PRMT6, and PRMT8 in vitro, The epigenetic enzymes such as PRMT3, PRMT4 and PRMT5 had little inhibitory effect. DCPT1061 hydrochloride has antitumor effects^{[1][2]}.

REFERENCES

- [1]. Wang J, et al. PRMT1 is a novel molecular therapeutic target for clear cell renal cell carcinoma. *Theranostics*. 2021 Mar 12;11(11):5387-5403.
- [2]. Tao H, 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

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