Product Data Sheet

CARM1-IN-3 dihydrochloride

MedChemExpress

®

Cat. No.: Molecular Formula: Molecular Weight: Target: Pathway: Storage:	HY-15214A C ₂₄ H ₃₄ Cl ₂ N ₄ O ₂ 481.46 Histone Methyltransferase Epigenetics 4°C, sealed storage, away from moisture	
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

SOLVENT & SOLUBILITY

		Mass Solvent Concentration	1 mg	5 mg	10 mg		
	Preparing Stock Solutions	1 mM	2.0770 mL	10.3851 mL	20.7702 mL		
	Stock Solutions	5 mM	0.4154 mL	2.0770 mL	4.1540 mL		
		10 mM	0.2077 mL	1.0385 mL	2.0770 mL		
	Please refer to the so	Please refer to the solubility information to select the appropriate solvent.					
In Vivo		1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (2.60 mM); Clear solution					
		2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (2.60 mM); Clear solution					
	3. Add each solvent	 Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.60 mM); Clear solution 					

BIOLOGICAL ACTIVITY		
Description	CARM1-IN-3 dihydrochloride (compound 17b) is a potent and selective co-activator associated arginine methyltransferase (CARM1) inhibitor with IC ₅₀ values of 0.07, >25 μM for CARM1 and CARM3, respectively ^[1] .	
IC ₅₀ & Target	IC ₅₀ : 0.07 μM (CARM1); >25 μM (CARM3) ^[1]	

REFERENCES

[1]. Wan H, et al. Benzo[d]imidazole inhibitors of Coactivator Associated Arginine Methyltransferase 1 (CARM1)--Hit to Lead studies. Bioorg Med Chem Lett. 2009 Sep 1;19(17):5063-6.

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

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