

SGC2085 HCl

Chemical Properties

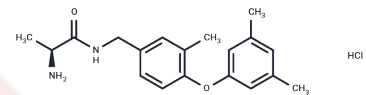
CAS No. : 1821908-49-9

Formula: C₁₉H₂₄N₂O₂·HCl

Molecular Weight: 348.87

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	SGC2085 is a potent and selective coactivator associated arginine methyltransferase 1 (CARM1) inhibitor with an IC ₅₀ of 50 nM and more than undred-fold selectivity over other PRMTs. CARM1 is an important positive modulator of Wnt/ β -catenin transcription and neoplastic transformation in colorectal cancer as well as a critical factor in estrogen-stimulated breast cancer growth, and its depletion results in decreased proliferation of myeloid leukemia cells in vivo.
Targets(IC ₅₀)	Histone Methyltransferase

Solubility Information

Solubility	DMSO: 55 mg/mL (157.65 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8664 mL	14.332 mL	28.664 mL
5 mM	0.5733 mL	2.8664 mL	5.7328 mL
10 mM	0.2866 mL	1.4332 mL	2.8664 mL
50 mM	0.0573 mL	0.2866 mL	0.5733 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Renato., et al. Discovery of a Potent and Selective Coactivator Associated Arginine Methyltransferase 1 (CARM1) Inhibitor by Virtual Screening . J Med Chem. 2016 Jul 28;59(14):6838-47.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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