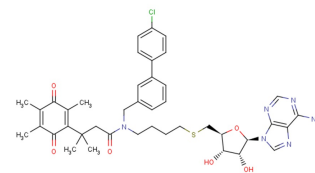


Data Sheet (Cat.No.T12887)

SGC3027

Chemical Properties

CAS No.:	T12887
Formula:	C ₄₁ H ₄₇ ClN ₆ O ₆ S
Molecular Weight:	787.37
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	SGC3027 is an inhibitor of histone methyltransferase, also is a first potent, selective and cell active chemical probe for PRMT7.
Targets(IC ₅₀)	PRMT7: None
In vitro	SGC3027 is a pro-drug of SGC8158 which releases the active component upon reduction in the cell by reductases. SGC3027 inhibits the methylation of HSP70 (IC ₅₀ =1.3 μM, in cellular assays using C2C12 cells)[2].

Solubility Information

Solubility	DMSO: 250 mg/mL (317.51 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.27 mL	6.35 mL	12.701 mL
5 mM	0.254 mL	1.27 mL	2.54 mL
10 mM	0.127 mL	0.635 mL	1.27 mL
50 mM	0.025 mL	0.127 mL	0.254 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Cermakova K, et al. Next-Generation Drugs and Probes for Chromatin Biology: From Targeted Protein Degradation to Phase Separation. *Molecules*. 2018 Aug 6;23(8). pii: E1958.
- SGC3027 for PRMT7.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481