

SGC3027

Chemical Properties

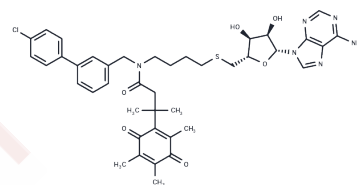
CAS No. :

Formula: C₄₁H₄₇ClN₆O₆S

Molecular Weight: 787.37

Appearance: no data available

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



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)	Others
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), Sonication is recommended. (< 1 mg/mL refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2701 mL	6.3503 mL	12.7005 mL
5 mM	0.254 mL	1.2701 mL	2.5401 mL
10 mM	0.127 mL	0.635 mL	1.2701 mL
50 mM	0.0254 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. 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481