

GSK3735967

Chemical Properties

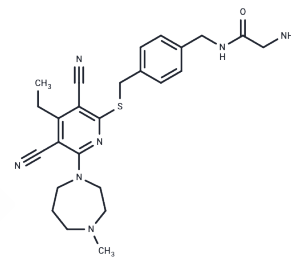
CAS No. : 2170136-86-2

Formula: C₂₅H₃₁N₇O₅

Molecular Weight: 477.62

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	GSK3735967 is a potent PRMT5 inhibitor. It blocks symmetric arginine dimethylation to interfere with oncogenic signaling and induce cell cycle arrest, used for hematological and solid tumor research.
Targets(IC50)	Cell Cycle Arrest,Histone Methyltransferase
In vitro	GSK3735967 shows DNMT1 inhibitory activity; its structure mimics base intercalation into the DNA helix [1].

Solubility Information

Solubility	DMSO: 25 mg/mL (52.34 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0937 mL	10.4686 mL	20.9371 mL
5 mM	0.4187 mL	2.0937 mL	4.1874 mL
10 mM	0.2094 mL	1.0469 mL	2.0937 mL
50 mM	0.0419 mL	0.2094 mL	0.4187 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

Glennon RA, et al. 5-HT₁ and 5-HT₂ binding characteristics of some quipazine analogues. J Med Chem. 1986 Nov; 29(11):2375-80.

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:34 Washington Street,Wellesley Hills,MA 02481