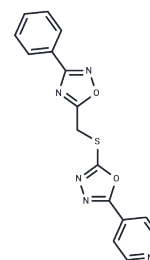


GS87

Chemical Properties

CAS No. : 919936-70-2
 Formula: C₁₆H₁₁N₅O₂S
 Molecular Weight: 337.36
 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	GS87 is a highly specific inhibitor of GSK3 (glycogen synthase kinase 3) that induces extensive differentiation of AML cells.
Targets(IC50)	GSK-3
In vitro	GS87 potently inhibits growth of AML cells in mice with little effect on normal bone marrow cells. GS87 causes terminal differentiation of AML cells

Solubility Information

Solubility	DMSO: 25 mg/mL (74.1 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	2.9642 mL	14.821 mL	29.6419 mL
5 mM	0.5928 mL	2.9642 mL	5.9284 mL
10 mM	0.2964 mL	1.4821 mL	2.9642 mL
50 mM	0.0593 mL	0.2964 mL	0.5928 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

Sophia, Hu, Masumi, et al. A Novel Glycogen Synthase Kinase-3 Inhibitor Optimized for Acute Myeloid Leukemia Differentiation Activity.[J]. Molecular Cancer Therapeutics, 2016.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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