Data Sheet (Cat.No.T8605)



GS87

Chemical Propert	ies	
CAS No. :	919936-70-2	\square
Formula:	C16H11N5O2S	
Molecular Weight:	337.36	
Appearance:	no data available	
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year	

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	Q	DMSO: 25 mg/mL (74.1 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

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.

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.

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