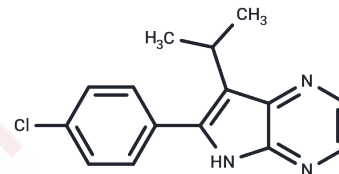


Aloisine B

Chemical Properties

CAS No. :	496864-14-3
Formula:	C ₁₅ H ₁₄ ClN ₃
Molecular Weight:	271.74
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	Aloisine B (AloisineB) inhibited cyclin-dependent kinase and glycogen synthase kinase with IC ₅₀ values of 0.85 μM and 0.75 μM, respectively. Aloisine B has antiviral activity and can be used to study Alzheimer's, diabetes, HIV and Parkinson's.
Targets(IC ₅₀)	CDK,GSK-3

Solubility Information

Solubility	DMSO: 50 mg/mL (184 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	3.680 mL	18.3999 mL	36.7999 mL
5 mM	0.736 mL	3.680 mL	7.360 mL
10 mM	0.368 mL	1.840 mL	3.680 mL
50 mM	0.0736 mL	0.368 mL	0.736 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

Metthey Y, et al. Aloisines, a new family of CDK/GSK-3 inhibitors. SAR study, crystal structure in complex with CDK2, enzyme selectivity, and cellular effects. J Med Chem. 2003 Jan 16;46(2):222-36.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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