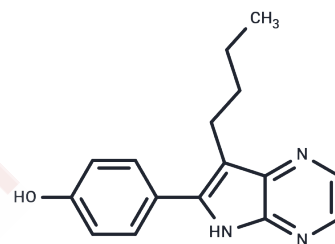


## Aloisine A

## Chemical Properties

CAS No. :	496864-16-5
Formula:	C <sub>16</sub> H <sub>17</sub> N <sub>3</sub> O
Molecular Weight:	267.33
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 A is a potent and selective CDK/GSK-3 inhibitor. IC <sub>50</sub> data of Aloisine A: Cdk1/cyclin B (IC <sub>50</sub> : 150nM), Cdk2/cyclin A (IC <sub>50</sub> : 120nM), Cdk2/cyclin E (IC <sub>50</sub> : 400nM), Cdk5/p25 (IC <sub>50</sub> : 200nM), Cdk5/p35 (IC <sub>50</sub> : 160nM), GSK-3α (IC <sub>50</sub> : 500nM), GSK-3β (IC <sub>50</sub> : 650nM), JNK (IC <sub>50</sub> ~3-10μM).
Targets(IC <sub>50</sub> )	ERK,Others,CFTR,CDK,GSK-3,JNK

## Solubility Information

Solubility	H <sub>2</sub> O: Insoluble, DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7407 mL	18.7035 mL	37.407 mL
5 mM	0.7481 mL	3.7407 mL	7.4814 mL
10 mM	0.3741 mL	1.8703 mL	3.7407 mL
50 mM	0.0748 mL	0.3741 mL	0.7481 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.

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