

## Aplithianines A

## Chemical Properties

CAS No. :	3027425-38-0
Formula:	C13H13N7S
Molecular Weight:	299.36
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Aplithianines A effectively inhibits J-PKAc $\alpha$ with an IC50 value of 1 $\mu$ M and displays higher potency against wild-type PKA, achieving an IC50 of 84 nM by competitively interacting with the ATP pocket [1].
Targets(IC50)	PKA

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3405 mL	16.7023 mL	33.4046 mL
5 mM	0.6681 mL	3.3405 mL	6.6809 mL
10 mM	0.334 mL	1.6702 mL	3.3405 mL
50 mM	0.0668 mL	0.334 mL	0.6681 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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