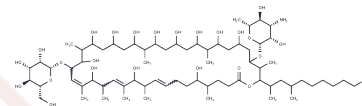


## Mathemycin A

## Chemical Properties

CAS No. :	211374-76-4
Formula:	C71H132N2O24
Molecular Weight:	1397.81
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	Mathemycin A inhibits pathogenic fungi and demonstrates inhibitory effects on Phytophthora species JO8 in vitro (MIC is 7.8 µg/mL), with greenhouse activity against JO8 (LD50 is 42 X 10 <sup>-6</sup> , LC90 is 500 X 10 <sup>-6</sup> ).
Targets(IC50)	Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7154 mL	3.577 mL	7.154 mL
5 mM	0.1431 mL	0.7154 mL	1.4308 mL
10 mM	0.0715 mL	0.3577 mL	0.7154 mL
50 mM	0.0143 mL	0.0715 mL	0.1431 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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