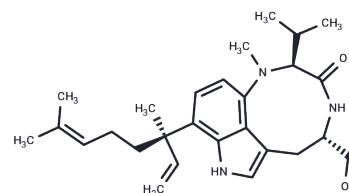


## Lyngbyatoxin A

### Chemical Properties

CAS No. : 70497-14-2  
Formula: C<sub>27</sub>H<sub>39</sub>N<sub>3</sub>O<sub>2</sub>  
Molecular Weight: 437.62  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### Biological Description

|             |                                                                                                                                                            |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Lyngbyatoxin A is an indole alkaloid from blue-green alga <i>Lyngbya majuscula</i> Gomont; responsible for dermatitis known as "swimmers' itch" in Hawaii. |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.2851 mL | 11.4254 mL | 22.8509 mL |
| 5 mM  | 0.457 mL  | 2.2851 mL  | 4.5702 mL  |
| 10 mM | 0.2285 mL | 1.1425 mL  | 2.2851 mL  |
| 50 mM | 0.0457 mL | 0.2285 mL  | 0.457 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

Wells KN, Videau P, Nelson D, Eiting JE, Philmus B. The influence of sigma factors and ribosomal recognition elements on heterologous expression of cyanobacterial gene clusters in *Escherichia coli*. *FEMS Microbiol Lett.* 2018

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