



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-200185  
Lot Number: SAMPLE  
Product Name: (±)-Anatoxin A  
CAS Number: 64285-06-9  
Molecular Formula:  $C_{10}H_{15}NO \cdot C_4H_4O_4$   
Molecular Weight: 281.3

| Test                               | Specification  | Result          |
|------------------------------------|--|-----------------|
| Appearance                         | Off white to cream solid   | Off white solid |
| Identification (NMR)               | 300 MHz $^1H$ spectrum in $D_2O$ confirms structure and shows <1% of any other impurity                        | Complies        |
| Identification (Mass Spectrometry) | Electrospray positive analysis shows mass ion corresponding to $[M-C_4H_4O_4+H]^+$                             | Mass ion: 166.1 |
| Purity (HPLC)                      | > 98%  | > 99%           |
| TLC                                | Analysis using a solvent ratio of 4: 1: 1 BuOH/AcOH/Water shows a single spot (visualized by UV and ninhydrin) | $R_f = 0.57$    |
| Solubility                         | Soluble in water to 50 mM  | Complies        |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 [www.scbt.com](http://www.scbt.com)