

(±)Anatoxin-a

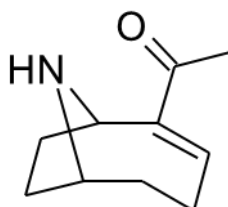
synthetic



Analytical Standard

Product Information

| Cat. No. | Amount |
|----------|--------------------------|
| synATX-a | about 1 mL (10 µg/mL) |



Product Specifications

| | |
|--------------------------|--|
| Molecular Formula | C ₁₀ H ₁₅ NO |
| Molecular Weight | 165.2 g/mol |
| Purity | >95 % (HPLC) |
| Source | chemical synthesis |
| Form | solution of 10 µg/mL in water with 0.01% (V/V) acetic acid |
| Shipping | Ambient |
| Long Term Storage | - 20°C |
| Shelf life | 24 months |
| Stability | The analytical standard should be used immediately after the vial is opened. |

Description

A synthetic, racemic analogue of the neurotoxic, bicyclic amine alkaloid (+) Anatoxin-a, which is a polar, water soluble cyanotoxin, naturally found in some *Anabaena flos aquae* strains¹.

The identity of the compound has been confirmed by NMR and mass spectrometry.

The analytical standard is dissolved in deionized water and ready to use for calibration. It is distributed in amber glass vials containing about 1 ml of a 10 µg/ml solution. Please note that the volume of the solution may only be approximately 1.0 ml. The concentration of each lot is determined spectrophotometrically, confirmed by HPLC and stated on the Certificate of Analysis.

For research use only!

Not available for sale to end-users without signing an end-use-certificate as required by German and international law.

[1] Devlin, J.P., Edwards, O.E., Gorham, P.R., Hunter, N.R., Pike, R.K. and Stavric, B., "Anatoxin-a, a toxic alkaloid from *Anabaena flos-aquae* NRC-44h1", *Can.J.Chem.* 55: 1367- 1371 (1977)