(±)Anatoxin-a Analytical Standard

Cat. No. ATX-11 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Source	Synthetic
Form	Solution
Molecular Formula	C10H15NO
Molecular Weight	165.2 g/mol
Purity	>95 % (HPLC)
Long Term Storage	At - 20 centigrade.
Shelf life	24 months
Stability	The analytical standard should be used immediately after the vial is opened

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Buffer	Solution of 10 µg/mL in water with 0.01% (V/V) acetic acid
Concentration	10 µg/mL
Shipping	Ambient
Note	For research use only!
References	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 NRC44h1", Can.J.Chem. 55: 1367- 1371 (1977

GENE INFORMATION

Official Symbol	ATX
Synonyms	ATX; (±)Anatoxin-a

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