

Microcystin LF Analytical Standard

Cat. No. MCLF-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Cyclic heptapeptide toxin isolated from the freshwater cyanobacterium *Microcystis aeruginosa*. The identity of the compound has been confirmed by NMR and MS/MS. The analytical standard is dissolved in 100% methanol and ready to use for calibration. It is distributed in amber glass vials containing around 10 µg in 1 mL MeOH. The concentration of each lot is determined spectrophotometrically, confirmed by HPLC, and stated on the Certificate of Analysis.

Species M.aeruginosa

Source M. aeruginosa

Form Solution

Molecular Formula C₅₂H₇₁N₇O₁₂

Molecular Weight 985.5 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 about 10 µg/mL in methanol
Concentration	About 10 µg/mL
Shipping	Ambient
Note	For research use only!
References	1. Azevedo et al., First report of microcystins from a Brazilian isolate of the cyanobacterium <i>Microcystis aeruginosa</i>, J Appl Phycol. 1994, 261-265 2. Lawton et al., Isolation and characterization of microcystins from laboratory cultures and environmental samples of <i>Microcystis aeruginosa</i> and from an associated animal toxicosis, Natural Toxins. 1995, 50-57

GENE INFORMATION

Official Symbol	MCLF
Synonyms	MCLF; Microcystin LF

