

Microcystin LY Analytical Standard

Cat. No. MCLY-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 7.5 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 C₅₂H₇₁N₇O₁₃

Molecular Weight 1002.2 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 about 7.5 µg/mL in methanol
Concentration	About 7.5 µg/mL
Shipping	Ambient
Note	For research use only!

GENE INFORMATION

Official Symbol	MCLY
Synonyms	MCLY; Microcystin LY

