

Microcystin YR Analytical Standard

Cat. No. MCYR-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 C₅₂H₇₂N₁₀O₁₃

Molecular Weight 1044.5 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 10 µg/mL in methanol
Concentration	10 µg/mL
Shipping	Ambient
Note	For research use only!
References	1. Botes et al., Structural studies on cyanoginosins-LR, -YR, YA, and -YM, peptide toxins from <i>Microcystis aeruginosa</i> , JCS Perkin Trans. I 1985, 2747-2748

GENE INFORMATION

Official Symbol	MCYR
Synonyms	MCYR; Microcystin YR

