

Microcystin LW Analytical Standard

Cat. No. MCLW-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 C₅₄H₇₂N₈O₁₂

Molecular Weight 1024.5 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.

 Tel: 1-631-559-9269 1-516-512-3133

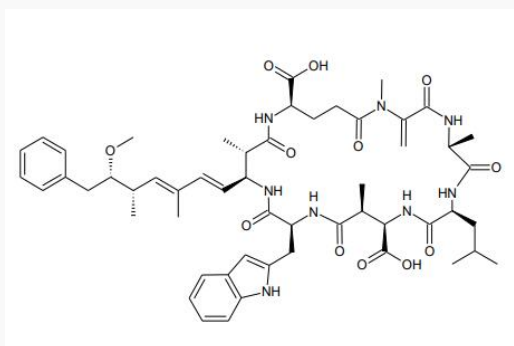
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Buffer	Solution of about 10 µg/mL in methanol
Concentration	About 10 µg/mL
Shipping	Ambient
Note	For research use only!
References	1. 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, <i>Natural Toxins</i>. 1995, 50-57 2. Bateman et al., Mass spectral analyses of microcystins from toxic cyanobacteria using on-line chromatographic and electrophoretic separations, <i>J Chrom A</i> 1995, 253-268

GENE INFORMATION

Official Symbol	MCLW
Synonyms	MCLW; Microcystin LW



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