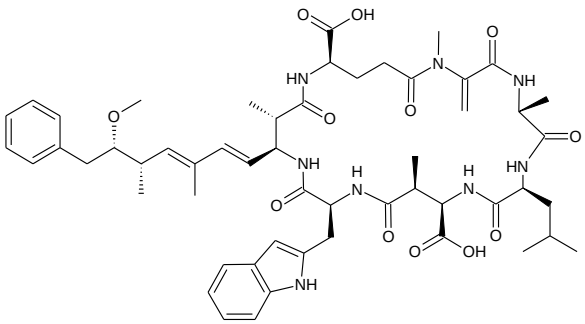
Microcystin LW

from *Microcystis aeruginosa*

Analytical Standard

Product Information

Cat. No.	Amount
MCLW-a	1 mL (about 10 µg/mL)



Description

Cyclic heptapeptide toxin isolated from the freshwater cyanobacterium *Microcystis aeruginosa.*[1]

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.

Product Specifications

Molecular Formula	$C_{54}H_{72}N_8O_{12}$
Molecular Weight	1024.5 g/mol
Purity	>95 % (HPLC)
Source	*M. aeruginosa* strain
Form	solution of about 10 µg/mL in methanol
Shipping	Ambient
Long Term Storage	- 20°C
Shelf life	24 months
Stability	The analytical standard should be used immediately after the vial is opened

For research use only!

Not available for sale to end-users without signing an end-use-certificate as required by German and international law.

[1] Lawton et al., Isolation and characterization of microcystins from laboratory cultures and environmental samples of *Microcystis aeruginosa* and from an associated animal toxicosis, *Natural Toxins.* 1995, 50-57

Bateman et al., Mass spectral analyses of microcystins from toxic cyanobacteria using on-line chromatographic and electrophoretic separations, *J Chrom A* 1995, 253-268

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