

Microcystin RR

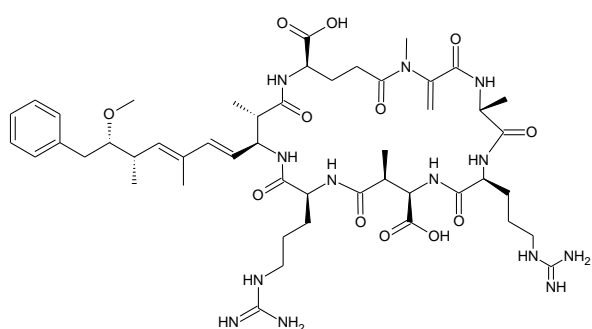
from *Microcystis aeruginosa*



Analytical Standard

Product Information

Cat. No.	Amount
MC-RR-a	1 mL (10 µg/mL)



Product Specifications

Molecular Formula	C ₄₉ H ₇₅ N ₁₃ O ₁₂
Molecular Weight	1037.6 g/mol
Purity	>95 % (HPLC)
Source	<i>M. aeruginosa</i> strain
Form	solution of 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

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.

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] Painuly et al., The structure of a cyclic peptide toxin, cyanoginosin-RR from *Microcystis aeruginosa*, *Tetrahedron Lett.* 1988, 11-14

Nishiwaki-Matsuhima et al., Structure-function relationships of microcystins, liver tumor promoters, in interaction with protein phosphatase, *Jpn. J. Cancer Res.* 1991, 993-996