

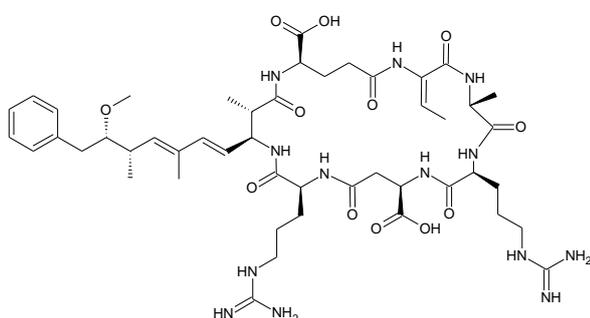
[D-Asp³,(E)-Dhb⁷]-Microcystin RR from *Planktothrix* sp.



Analytical Standard

Product Information

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



Description

Cyclic heptapeptide toxin isolated from the freshwater cyanobacterium *Planktothrix* sp.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 ₄₈ H ₇₃ N ₁₃ O ₁₂
Molecular Weight	1023.6 g/mol
Purity	>95 % (HPLC)
Source	<i>Planktothrix</i> sp. 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

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] Blom et al., High grazer toxicity of [D-Asp³,(E)-Dhb⁷]-microcystin-RR of *Planktothrix rubescens* as compared to different microcystins, *Toxicon* 2001, 1923-1932

Höger et al., Analytical and Functional Characterization of Microcystins [Asp³]MC-RR and [Asp³,-(E)-Dhb⁷]MC-RR: Consequences for Risk Assessment?, *Environ. Sci. Technol.* 2007, 2609-2616