

[D-Asp3,(E)-Dhb7]-Microcystin RR Analytical Standard

Cat. No. MCADRR-09P Lot. No. (See product label)

SPECIFICATION

Product Overview

Cyclic heptapeptide toxin isolated from the freshwater cyanobacterium *Planktothrix* sp. 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 *Planktothrix* sp.

Source *Planktothrix* sp.

Form Solution

Molecular Formula C₄₈H₇₃N₁₃O₁₂

Molecular Weight 1023.6 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

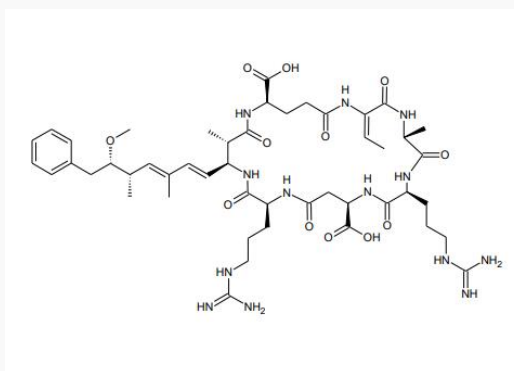
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Buffer	Solution of 10 µg/mL in methanol
Concentration	10 µg/mL
Shipping	Ambient
Note	For research use only!
References	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 2. Höger et al., Analytical and Functional Characterization of Microcystins [Asp3]MC-RR and [Asp3,- Dhb7]MC-RR: Consequences for Risk Assessment?, Environ. Sci. Technol. 2007, 2609-2616

GENE INFORMATION

Official Symbol	MCADRR
Synonyms	MCADRR; [D-Asp3,(E)-Dhb7]-Microcystin RR



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