

[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

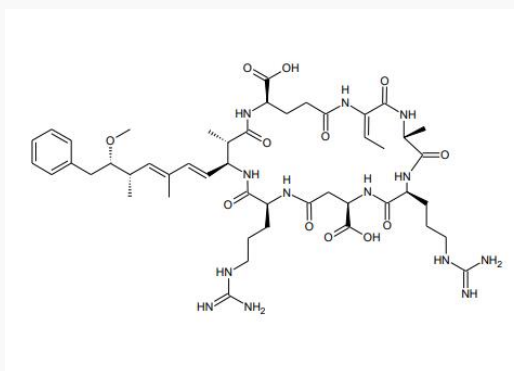
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 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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