Microcystin YR Analytical Standard

Cat. No. MCYR-01M **Lot. No.** (See product label)

SPECIFICATION

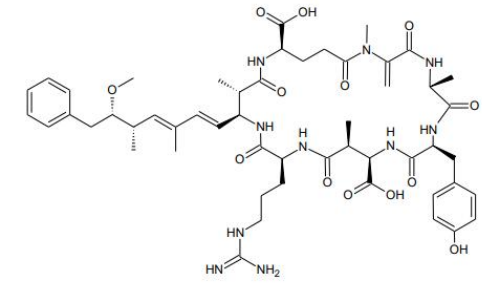
Product Overview	Cyclic heptapeptide toxin isolated from the freshwater cyanobacterium Microcystis aeruginosa. The identity of the compound has been confirmed by NMR and MS/MS. The analytical standard is dissolved in 100% methanol and ready to use for calibration. It is distributed in amber glass vials 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	M.aeruginosa
Source	M. aeruginosa
Form	Solution
Molecular Formula	C52H72N10O13
Molecular Weight	1044.5 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

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Buffer	Solution of 10 μg/mL in methanol
Concentration	10 μg/mL
Shipping	Ambient
Note	For research use only!
References	1. Botes et al., Structural studies on cyanoginosins-LR, -YR, YA, and –YM, peptide toxins from Microcystis aeruginosa, JCS Perkin Trans. I 1985, 2747-2748

GENE INFORMATION

Official Symbol	MCYR
Synonyms	MCYR; Microcystin YR



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