



Accurate Mass: 1044.528035
Percentage Composition: C 59.76%; H 6.94%; N 13.40%; O 19.90%
Physical Description: No phys. props. reported
Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, ipr) .068 mg/kg

>>Variant: Cyanoginosin YA

Synonym(s): Toxin BE 5. Microcystin YA

CAS Registry Number: 101043-36-1

Molecular Formula: C₄₉H₆₅N₇O₁₃
Molecular Weight: 960.092
Accurate Mass: 959.464038
Percentage Composition: C 61.30%; H 6.82%; N 10.21%; O 21.66%
Physical Description: No phys. props. reported

>>Variant: Cyanoginosin YM

Synonym(s): Microcystin YM

CAS Registry Number: 101043-35-0

Molecular Formula: C₅₁H₆₉N₇O₁₃S
Molecular Weight: 1020.211
Accurate Mass: 1019.467408
Percentage Composition: C 60.04%; H 6.82%; N 9.61%; O 20.39%; S 3.14%
Physical Description: No phys. props. reported

>>Variant: Cyanoginosin RR

Synonym(s): Cyanoviridin RR. Microcystin RR

CAS Registry Number: 111755-37-4

Molecular Formula: C₄₉H₇₅N₁₃O₁₂
Molecular Weight: 1038.211
Accurate Mass: 1037.565817
Percentage Composition: C 56.69%; H 7.28%; N 17.54%; O 18.49%
Biological Source: Also isol. from *Microcystis viridis*
Biological Use/Importance: Toxin
Optical Rotation: [α]_D −100 (c, 0.52 in MeOH)
UV: [neutral] $\lambda_{\max}$ 239 (ϵ 30900) (solvent not reported) (Derep)
Sigma: M0293

>>Derivative: N⁷-De-Me

Synonym(s): 7-De-N-methylmicrocystin RR

CAS Registry Number: 131022-02-1

Molecular Formula: C₄₈H₇₃N₁₃O₁₂
Molecular Weight: 1024.185
Accurate Mass: 1023.550167
Percentage Composition: C 56.29%; H 7.18%; N 17.78%; O 18.75%
Biological Source: Isol. from *Anabaena* sp. and *Microcystis aeruginosa*
Biological Use/Importance: Hepatotoxin

>>Variant: Cyanoginosin LAba

Synonym(s): Microcystin LAba

CAS Registry Number: 111982-69-5

Molecular Formula: C₄₇H₆₉N₇O₁₂
Molecular Weight: 924.102
Accurate Mass: 923.500423
Percentage Composition: C 61.09%; H 7.53%; N 10.61%; O 20.78%