



Microcystin-LR (MCYST-LR)

Cat. No. AD0100

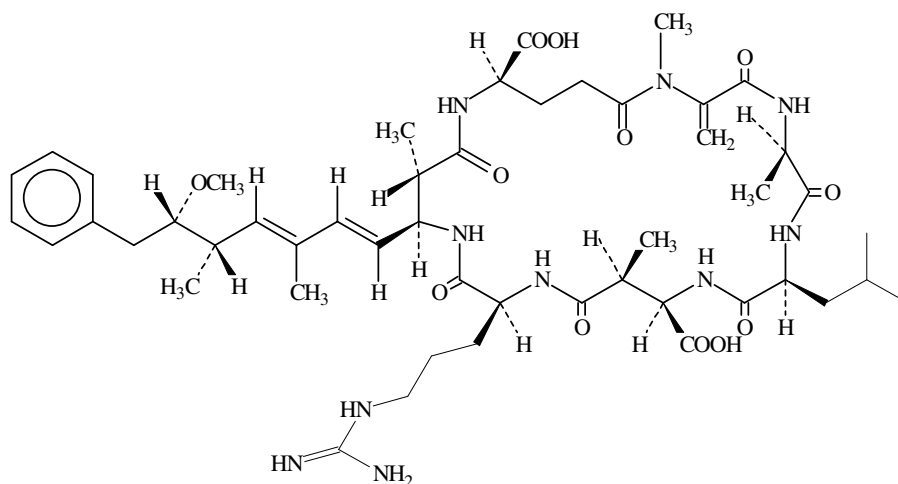
Description Cyclic heptapeptide isolated from the freshwater cyanobacteria *Microcystis aeruginosa*. Potent inhibitor of protein phosphatase type 1 (PP1) and protein phosphatase type 2A (PP2A); has no effect on protein kinase.

Form Lyophilized solid

Molecular weight 995.2

Molecular formula C₄₉H₇₄N₁₀O₁₂

Structure



Purity ≥ 95% by HPLC

Solubility MeOH, EtOH or DMSO

Storage Stable in -25 °C for 2 year

Toxicity LD₅₀: 50 µg/kg IP. to mice

Reference Lee, T. H., *et al.* 1998. *Toxicon* 36, 247.

Lee, T. H. and Chou, H. N. 2000. *Bot. Bull. Academia Sinica*, 41, 197.

1. Harmonized tariff code: 2932.29.5050.
2. This product does not contain any animal derived additives, such as albumin.
3. This product is for laboratory use only, not for human or drug use.