

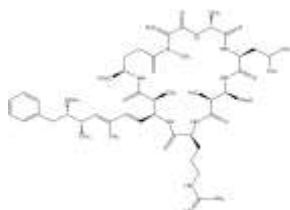
Microcystin-LR, *Microcystis aeruginosa*

ALTERNATE NAME: Cyanoginosin-LR

CATALOG #: 1840-100, 500

AMOUNT: 100 µg, 500 µg

STRUCTURE:



MOLECULAR FORMULA: C₄₉H₇₄N₁₀O₁₂

MOLECULAR WEIGHT: 995.17

CAS NUMBER: 101043-37-2

APPEARANCE: Liquid

SOLUBILITY: EtOH

CONCENTRATION: 1 mg/ml

PURITY: ≥95% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: A hepatotoxic cyclic heptapeptide toxin produced by cyanobacteria. A selective inhibitor of protein phosphatase 1 (PP1) (IC₅₀= 1.7 nM) and protein phosphatase 2A (PP2A) (IC₅₀=0.04 nM). Less sensitive to PP2B and does not inhibit PP2C up to 4 µM.

REFERENCE: MacKintosh, C., *et al.* (1990). *FEBS Lett.* **264**, 187-192.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

NOTE:

NOT AVAILABLE FOR SALE OUTSIDE OF UNITED STATES

RELATED PRODUCTS:

- bpV(phen) (Cat. No. 1793-5)
- bpV(pic) (Cat. No. 1794-5)
- Calyculin A (Cat. No. 1562-025)
- EZBlock™ Phosphatase Inhibitor Cocktail I (Cat. No. K273-1ML, 1EA)
- EZBlock™ Phosphatase Inhibitor Cocktail II (Cat. No. K275-1ML, 1EA)
- EZBlock™ Phosphatase Inhibitor Cocktail III (Cat. No. K276-1ML, 1EA)
- Okadaic Acid (Cat. No. 1543-025)
- Okadaic Acid, Ammonium Salt (Cat. No. 1766-025)
- Okadaic Acid, Potassium Salt (Cat. No. 1765-025)
- Okadaic Acid, Sodium Salt (Cat. No. 1764-025)
- VO-OHpic (Cat. No. 1801-5, 25)

FOR RESEARCH USE ONLY! Not to be used on humans.