

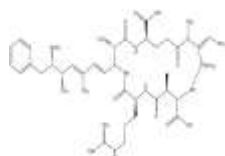
PRODUCT: Nodularin

ALTERNATE NAME: Cyclo[3S-amino-9S-methoxy-2S,6E,8S-trimethyl-10-phenyl-4,6- decadienoyl-D-γ-glutamyl-(2Z)-2-(methylamino)-2-butenoyl-(3S)- 3-methyl-D-β-aspartyl-L-arginyl]

CATALOG #: 2094-50

AMOUNT: 50 µg

STRUCTURE:



MOLECULAR FORMULA: C₄₁H₆₀N₆O₁₀

MOLECULAR WEIGHT: 824.96

CAS NUMBER: 118399-22-7

APPEARANCE: Liquid

FORMULATION: In Ethanol

PURITY: ≥95%

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: Nodularin is a hepatotoxic monocyclic pentapeptide produced by cyanobacterium *Nodularia spumigena*. It is a potent inhibitor of protein phosphatase types 1 (PP1) and 2A (PP2A), exhibiting IC₅₀ values of 1.8 and 0.026 nM, respectively. It inhibits PP2B only at higher concentrations (IC₅₀ = 1.8 µM).

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

- AEBSF, HCl (Cat. No. 1644-200, 1G)
- Aprotinin (Cat. No. 4690-5, 100, 1000)
- Calyculin A (Cat. No. 1562-025)
- BCA Protein Quantitation Kit (Cat. No. K812-1000)
- Bradford Protein Quantitation Kit (Cat. No. K810-1000)
- E-64 (Cat. No. 1739-5, 25)
- EZBlock™ Phosphatase Inhibitor Cocktail I (Cat. No. K273-1, 1EA)
- EZBlock™ Phosphatase Inhibitor Cocktail II (Cat. No. K275-1, 1EA)
- EZBlock™ Phosphatase Inhibitor Cocktail III (Cat. No. K276-1, 1EA)
- EZBlock™ Phosphatase Inhibitor Cocktail IV (Cat. No. K282-1,1EA)
- EZBlock™ Protease Inhibitor Cocktail EDTA-Free (Cat. No. K272-1, 5, 1EA)
- EZBlock™ Protease Inhibitor Cocktail II (Cat. No. K277-1EA)
- EZBlock™ Protease Inhibitor Cocktail III (Cat. No. K278-1EA)
- EZBlock™ Protease Inhibitor Cocktail IV (Cat. No. K279-1, 1EA)
- EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail (Cat. No. K283-1, 1EA)
- EZBlock™ Universal Protease and Phosphatase Inhibitor Cocktail, EDTA-Free (Cat. No. K284-1, 1EA)
- EZLys™ Bacterial Protein Extraction Reagent (Cat. No. 8001-100, 500)
- Leupeptin, Hemisulfate (Cat. No. 1648-25, 50, 100)
- EZLys™ Lysozyme, Human (Cat. No. 8005-1G, 5G)
- Nafamostat Mesylate (Cat. No. 1760-10, 50)
- 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)
- PMSF (Cat. No. 1548-5)
- Pepstatin A (Cat. No. 1732-25, 100)
- Protease Inhibitor Cocktail (Cat. No. K271-500)

USAGE: FOR RESEARCH CH USE ONLY! Not to be used in humans