

Nodularin

Cat. No. CEI-0632

Lot. No. (See product label)

Introduction

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).

Product Information

Appearance White solid

CAS No. 118399-22-7

Molecular Formula C₄₁H₆₀N₈O₁₀

Chemical 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]

Molecular Weight 810.45

Purity >98%

Targets PPP1CA, PPP2R4

Solubility DMSO (25 mg/ml) or EtOH (25 mg/ml)

Storage and Shipping Information

Storage -20 centigrade

Shipping Conditions Gel pack