

## 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 IC<sub>50</sub> values of 1.8 and 0.026 nM, respectively. It inhibits PP2B only at higher concentrations (IC<sub>50</sub> = 1.8 μM).

### Product Information

<b>Appearance</b>	White solid
<b>CAS No.</b>	118399-22-7
<b>Molecular Formula</b>	C <sub>41</sub> H <sub>60</sub> N <sub>8</sub> O <sub>10</sub>
<b>Chemical Name</b>	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]
<b>Molecular Weight</b>	810.45
<b>Purity</b>	>98%
<b>Targets</b>	PPP1CA, PPP2R4
<b>Solubility</b>	DMSO (25 mg/ml) or EtOH (25 mg/ml)

### Storage and Shipping Information

<b>Storage</b>	-20 centigrade
<b>Shipping Conditions</b>	Gel pack