

## Ceramide from bovine spinal cord

Cat. No. NATZ-123

Lot. No. (See product label)

### Introduction

#### Description

Ceramides are generated from sphingomyelin through activation of sphingomyelinases or through the de novo synthesis pathway, which requires the coordinated action of serine palmitoyl transferase and ceramide synthase. They have been shown to mediate antiproliferative responses such as apoptosis, growth arrest, differentiation, and senescence. This product contains ceramide molecular species with primarily 2-hydroxy C24:0 and 2-hydroxy C18:0 fatty acyl chains.

### Product Information

<b>Source</b>	Bovine spinal cord
<b>Form</b>	A solid
<b>Molecular Formula</b>	C <sub>36</sub> H <sub>71</sub> NO <sub>4</sub> (for 2-hydroxy stearoyl)
<b>Molecular Weight</b>	582
<b>Purity</b>	98.00%
<b>Solubility</b>	Chloroform:Methanol (2:1): Soluble Methanol: Soluble

### Storage and Shipping Information

<b>Storage</b>	-20°C
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