Creative Enzymes®

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

Source	Bovine spinal cord
Form	A solid
Molecular Formula	C36H71NO4 (for 2-hydroxy stearoyl)
Molecular Weight	582
Purity	98.00%
Solubility	Chloroform:Methanol (2:1): Soluble Methanol: Soluble

Storage and Shipping Information

Storage	-20°C