

## Sphingomyelin from chicken egg

Cat. No. NATZ-122

Lot. No. (See product label)

### Introduction

#### Description

Sphingomyelins (SMs) are bioactive sphingolipids found in mammalian cell membranes. They interact with cholesterol to control its distribution within cellular membranes and maintain cholesterol homeostasis in cells. SMs undergo hydrolysis by sphingomyelinase to form ceramides, which are sphingolipid mediators of intracellular signaling.

### Product Information

<b>Source</b>	chicken egg
<b>Form</b>	A solid
<b>CAS No.</b>	383907-87-7
<b>Molecular Formula</b>	C <sub>39</sub> H <sub>79</sub> N <sub>2</sub> O <sub>6</sub> P (for palmitoyl)
<b>Molecular Weight</b>	703
<b>Purity</b>	0.95
<b>Solubility</b>	Chloroform: Soluble Ethanol: Warmed Methanol: Soluble

### Storage and Shipping Information

<b>Storage</b>	-20°C
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