

sphingomyelin synthase

Cat. No. EXWM-3326

Lot. No. (See product label)

Introduction

Description

The reaction can occur in both directions. This enzyme occupies a central position in sphingolipid and glycerophospholipid metabolism. Up- and down-regulation of its activity has been linked to mitogenic and pro-apoptotic signalling in a variety of mammalian cell types. Unlike EC 2.7.8.3, ceramide cholinephosphotransferase, CDP-choline cannot replace phosphatidylcholine as the donor of the phosphocholine moiety of sphingomyelin.

Synonyms

SM synthase; SMS1; SMS2

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.7.8.27

CAS No.

58703-97-2

Reaction

a ceramide + a phosphatidylcholine = a sphingomyelin + a 1,2-diacyl-sn-glycerol

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.