

## sphingosine kinase

Cat. No. EXWM-3121

Lot. No. (See product label)

### Introduction

#### Description

The enzyme is involved in the production of sphingolipid metabolites. It phosphorylates various sphingoid long-chain bases, such as sphingosine, D-erythro-dihydrosphingosine (sphinganine), phytosphingosine (4-hydroxysphinganine), 4-hydroxy-8-sphingenine, 4,8-sphingadienine and D-threo-dihydrosphingosine and L-threo-dihydrosphingosine. The exact substrate range depends on the species.

#### Synonyms

SPHK1 (gene name); SPHK2 (gene name); dihydrosphingosine kinase; dihydrosphingosine kinase (phosphorylating); sphingosine kinase (phosphorylating); sphingoid base kinase; sphinganine kinase; ATP:sphinganine 1-phosphotransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.7.1.91

#### CAS No.

50864-48-7

#### Reaction

ATP + a sphingoid base = ADP + a sphingoid base 1-phosphate

#### 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.