Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.