Creative Enzymes®

pantothenate kinase

Cat. No. EXWM-3064

Lot. No. (See product label)

Introduction

Description	Pantothenate kinase (EC 2.7.1.33, PanK; CoaA) is the first enzyme in the Coenzyme A biosynthetic pathway. It phosphorylates pantothenate (vitamin B5) to form 4'-phosphopantothenate at the expense of a molecule of adenosine triphosphate (ATP). It is the rate-limiting step in the biosynthesis of CoA.
Synonyms	pantothenate kinase (phosphorylating); pantothenic acid kinase; ATP:pantothenate 4'-phosphotransferase; D-pantothenate kinase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.1.33
CAS No.	9026-48-6
Reaction	ATP + (R)-pantothenate = ADP + (R)-4'-phosphopantothenate
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 ℃.