

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