

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 $\text{ATP} + (\text{R})\text{-pantothenate} = \text{ADP} + (\text{R})\text{-4'-phosphopantothenate}$

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.