

pantoate- β -alanine ligase (AMP-forming)

Cat. No. EXWM-5730

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of ligases, specifically those forming carbon-nitrogen bonds as acid-D-amino-acid ligases (peptide synthases). This enzyme participates in beta-alanine metabolism and pantothenate and CoA biosynthesis.

Synonyms

pantothenate synthetase; pantoate activating enzyme; pantoic-activating enzyme; D-pantoate: β -alanine ligase (AMP-forming); pantoate- β -alanine ligase (ambiguous)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.3.2.1

CAS No.

9023-49-8

Reaction

ATP + (R)-pantoate + β -alanine = AMP + diphosphate + (R)-pantothenate

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.