

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 $\text{ATP} + (\text{R})\text{-pantoate} + \beta\text{-alanine} = \text{AMP} + \text{diphosphate} + (\text{R})\text{-pantothenate}$

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.