

phenylalanine aminomutase (D-β-phenylalanine forming)

Cat. No. EXWM-5533

Lot. No. (See product label)

Introduction

Description

The enzyme from the bacterium *Pantoea agglomerans* produces D-β-phenylalanine, an intermediate in the biosynthesis of the polyketide non-ribosomal antibiotic andrimid. The enzyme contains the cofactor 3,5-dihydro-5-methylidene-4H-imidazol-4-one (MIO), which is formed autocatalytically by cyclization and dehydration of the three amino-acid residues alanine, serine and glycine. cf. EC 5.4.3.10, phenylalanine aminomutase (L-β-phenylalanine forming).

Synonyms

admH (gene name); L-phenylalanine 2,3-aminomutase [(S)-3-amino-3-phenylpropanoate]

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 5.4.3.11

Reaction

L-phenylalanine = D-β-phenylalanine

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.