

## 3-[(4R)-4-hydroxycyclohexa-1,5-dien-1-yl]-2-oxopropanoate isomerase

Cat. No. EXWM-5497

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, characterized from the bacterium *Bacillus subtilis*, is involved in the biosynthesis of the nonribosomally synthesized dipeptide antibiotic bacilysin, composed of L-alanine and L-anticapsin. The enzyme can interconvert the (E) isomer formed in the reaction into the (Z) isomer, although this isomerization is not part of the pathway leading to bacilysin.

#### Synonyms

BacB

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 5.3.3.19

#### Reaction

3-[(4R)-4-hydroxycyclohexa-1,5-dien-1-yl]-2-oxopropanoate = 3-[(1E,4R)-4-hydroxycyclohex-2-en-1-ylidene]-2-oxopropanoate

#### 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.