

L-alanine-L-anticapsin ligase

Cat. No. EXWM-5767

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 requires Mg²⁺ or Mn²⁺ for activity, and has a broad substrate specificity in vitro.

Synonyms

BacD; alanine-anticapsin ligase; L-Ala-L-anticapsin ligase; ywfE (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.3.2.49

Reaction

ATP + L-alanine + L-anticapsin = ADP + phosphate + bacilysin

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.