

D-alanine-D-alanine ligase

Cat. No. EXWM-5757

Lot. No. (See product label)

Introduction

Description Involved with EC 6.3.2.7 (UDP-N-acetylmuramoyl-L-alanyl-D-glutamate-L-lysine ligase) or EC 6.3.2.13 (UDP-N-acetylmuramoyl-L-alanyl-D-glutamate-2,6-diaminopimelate ligase), EC 6.3.2.8 (UDP-N-acetylmuramate-L-alanine ligase), EC 6.3.2.9 (UDP-N-acetylmuramoyl-L-alanine-D-glutamate ligase) and EC 6.3.2.10 (UDP-N-acetylmuramoyl-tripeptide-D-alanyl-D-alanine ligase) in the synthesis of a cell-wall peptide (click here for diagram).

Synonyms MurE synthetase [ambiguous]; alanine:alanine ligase (ADP-forming); alanylalanine synthetase

Product Information

Form Liquid or lyophilized powder

EC Number EC 6.3.2.4

CAS No. 9023-63-6

Reaction $\text{ATP} + 2 \text{ D-alanine} = \text{ADP} + \text{phosphate} + \text{D-alanyl-D-alanine}$

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.