UDP-N-acetylmuramoyl-L-alanine-D-glutamate ligase

Cat. No. EXWM-5772

Lot. No. (See product label)

Introduction

Description	Involved in the synthesis of a cell-wall peptide in bacteria.
Synonyms	MurD synthetase; UDP-N-acetylmuramoyl-L-alanyl-D-glutamate synthetase; uridine diphospho-N-acetylmuramoylalanyl-D-glutamate synthetase; D-glutamate-adding enzyme; D-glutamate ligase; UDP-Mur-NAC-L-Ala:D-Glu ligase; UDP-N-acetylmuramoyl-L-alanine:glutamate ligase (ADP-forming); UDP-N-acetylmuramoylalanine-D-glutamate ligase; UDP-N-acetylmuramoyl-L-alanine:D-glutamate ligase (ADP-forming)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.3.2.9
CAS No.	9023-59-0
Reaction	ATP + UDP-N-acetyl-α-D-muramoyl-L-alanine + D-glutamate = ADP + phosphate + UDP-N-acetyl-α-D-muramoyl-L-alanyl-D-glutamate
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.