Creative Enzymes®

N-acetyldiaminopimelate deacetylase

Cat. No. EXWM-4435

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of hydrolases, those acting on carbon-nitrogen bonds other than peptide bonds, specifically in linear amides. The systematic name of this enzyme class is N6-acetyl-LL-2,6-diaminoheptanedioate amidohydrolase. Other names in common use include N-acetyl-L-diaminopimelic acid deacylase, N-acetyl-LL-diaminopimelate deacylase, and 6-N-acetyl-LL-2,6-diaminoheptanedioate amidohydrolase. This enzyme participates in lysine biosynthesis.
Synonyms	N-acetyl-L-diaminopimelic acid deacylase; N-acetyl-LL-diaminopimelate deacylase; 6-N-acetyl-LL-2,6-diaminoheptanedioate amidohydrolase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.5.1.47
CAS No.	99193-93-8
Reaction	N-acetyl-LL-2,6-diaminoheptanedioate + H2O = acetate + LL-2,6-diaminoheptanedioate
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 ℃.