

ectoine synthase

Cat. No. EXWM-4947

Lot. No. (See product label)

Introduction

Description

Ectoine is an osmoprotectant that is found in halophilic eubacteria. This is the third enzyme in the ectoine-biosynthesis pathway, the other enzymes involved being EC 2.6.1.76, diaminobutyrate-2-oxoglutarate transaminase and EC 2.3.1.178, diaminobutyrate acetyltransferase.

Synonyms

N-acetyldiaminobutyrate dehydratase; N-acetyldiaminobutanoate dehydratase; L-ectoine synthase; EctC; 4-N-acetyl-L-2,4-diaminobutanoate hydro-lyase (L-ectoine-forming)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.2.1.108

Reaction

N4-acetyl-L-2,4-diaminobutanoate = L-ectoine + H₂O

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.