

aspartate carbamoyltransferase

Cat. No. EXWM-2015

Lot. No. (See product label)

Introduction

Description

Aspartate carbamoyltransferase (also known as aspartate transcarbamoylase or ATCase) catalyzes the first step in the pyrimidine biosynthetic pathway. ATCase is a highly regulated enzyme that catalyses the first committed step in pyrimidine biosynthesis, the condensation of L-aspartate and carbamoyl phosphate to form N-carbamoyl-L-aspartate and inorganic phosphate.

Synonyms

carbamylaspartotranskinase; aspartate transcarbamylase; aspartate carbamyltransferase; aspartic acid transcarbamoylase; aspartic carbamyltransferase; aspartic transcarbamylase; carbamylaspartotranskinase; L-aspartate transcarbamoylase; L-aspartate transcarbamylase; carbamoylaspartotranskinase; aspartate transcarbamylase; aspartate transcarbamoylase; ATCase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.1.3.2

CAS No.

9012-49-1

Reaction

carbamoyl phosphate + L-aspartate = phosphate + N-carbamoyl-L-aspartate

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.