

argininosuccinate synthase

Cat. No. EXWM-5797

Lot. No. (See product label)

Introduction

Description

Argininosuccinate synthase or synthetase (ASS; EC 6.3.4.5) is an enzyme that catalyzes the synthesis of argininosuccinate from citrulline and aspartate. ASS is responsible for the third step of the urea cycle and one of the reactions of the citrulline-NO cycle.

Synonyms

citrulline-aspartate ligase; argininosuccinate synthetase; arginine succinate synthetase; argininosuccinic acid synthetase; arginosuccinate synthetase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.3.4.5

CAS No.

9023-58-9

Reaction

ATP + L-citrulline + L-aspartate = AMP + diphosphate + 2-(Nω-L-arginino)succinate

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.