

adenylosuccinate synthase

Cat. No. EXWM-5796

Lot. No. (See product label)

Introduction

Description

In molecular biology, Adenylosuccinate synthase (EC 6.3.4.4.) is an enzyme that plays an important role in purine biosynthesis, by catalysing the guanosine triphosphate (GTP)-dependent conversion of inosine monophosphate (IMP) and aspartic acid to guanosine diphosphate (GDP), phosphate and N(6)-(1,2-dicarboxyethyl)-AMP.

Synonyms

IMP-aspartate ligase; adenylosuccinate synthetase; succinoadenylic kinosynthetase; succino-AMP synthetase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.3.4.4

CAS No.

9023-57-8

Reaction

$GTP + IMP + L\text{-aspartate} = GDP + \text{phosphate} + N6\text{-}(1,2\text{-dicarboxyethyl})\text{-AMP}$

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.