

adenosylcobyric acid synthase (glutamine-hydrolysing)

Cat. No. EXWM-5803

Lot. No. (See product label)

Introduction

Description

Requires Mg²⁺. NH₃ can act instead of glutamine. This enzyme catalyses the four-step amidation sequence from cobyric acid a,c-diamide to cobyric acid via the formation of cobyric acid triamide, tetraamide and pentaamide intermediates.

Synonyms

CobQ; cobyric acid synthase; 5'-deoxy-5'-adenosylcobyric-acid-a,c-diamide:L-glutamine amido-ligase; Ado-cobyric acid synthase [glutamine hydrolyzing]

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 6.3.5.10

CAS No.

137672-90-3

Reaction

4 ATP + adenosylcobyric acid a,c-diamide + 4 L-glutamine + 4 H₂O = 4 ADP + 4 phosphate + adenosylcobyric acid + 4 L-glutamate

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.