

diphosphomevalonate decarboxylase

Cat. No. EXWM-4777

Lot. No. (See product label)

Introduction

Description

This enzyme converts mevalonate 5-diphosphate (MVAPP) to isopentenyl diphosphate (IPP) through ATP dependent decarboxylation. This enzyme belongs to the family of lyases, specifically the carboxy-lyases, which cleave carbon-carbon bonds.

Synonyms

pyrophosphomevalonate decarboxylase; mevalonate-5-pyrophosphate decarboxylase; pyrophosphomevalonic acid decarboxylase; 5-pyrophosphomevalonate decarboxylase; mevalonate 5-diphosphate decarboxylase; ATP:(R)-5-diphosphomevalonate carboxy-lyase (dehydrating)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.1.1.33

CAS No.

9024-66-2

Reaction

$\text{ATP} + (\text{R})\text{-5-diphosphomevalonate} = \text{ADP} + \text{phosphate} + \text{isopentenyl diphosphate} + \text{CO}_2$

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.