

precorrin-6B C5,15-methyltransferase (decarboxylating)

Cat. No. EXWM-1730

Lot. No. (See product label)

Introduction

Description

The enzyme, which participates in the aerobic adenosylcobalamin biosynthesis pathway, has S-adenosyl-L-methionine-dependent methyltransferase and decarboxylase activities. The enzyme is a fusion protein with two active sites; one catalyses the methylation at C15 and the decarboxylation, while the other catalyses the methylation at C5.

Synonyms

precorrin-6 methyltransferase; precorrin-6Y methylase; precorrin-6Y C5,15-methyltransferase (decarboxylating); cobL (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.1.1.132

CAS No.

162995-22-4

Reaction

$2 \text{ S-adenosyl-L-methionine} + \text{precorrin-6B} = 2 \text{ S-adenosyl-L-homocysteine} + \text{precorrin-8X} + \text{CO}_2$ (overall reaction); (1a) $\text{S-adenosyl-L-methionine} + \text{precorrin-6B} = \text{S-adenosyl-L-homocysteine} + \text{precorrin-7} + \text{CO}_2$; (1b) $\text{S-adenosyl-L-methionine} + \text{precorrin-7} = \text{S-adenosyl-L-homocysteine} + \text{precorrin-8X}$

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.