

cobalt-precorrin 5A hydrolase

Cat. No. EXWM-4721

Lot. No. (See product label)

Introduction

Description

This enzyme hydrolyses the ring A acetate Δ -lactone of cobalt-precorrin-5A resulting in the loss of the C-20 carbon and its attached methyl group in the form of acetaldehyde. This is a key reaction in the contraction of the porphyrin-type tetrapyrrole ring and its conversion to a corrin ring in the anaerobic (early cobalt insertion) adenosylcobalamin biosynthesis pathway.

Synonyms

CbiG (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.7.1.12

Reaction

cobalt-precorrin-5A + H₂O = cobalt-precorrin-5B + acetaldehyde + 2 H⁺

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.