

## cypemycin N-terminal methyltransferase

Cat. No. EXWM-1909

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, isolated from the bacterium *Streptomyces* sp. OH-4156, can methylate a variety of linear oligopeptides, cyclic peptides such as nisin and haloduracin, and the  $\epsilon$ -amino group of lysine. Cypemycin is a peptide antibiotic, a member of the linaridins, a class of posttranslationally modified ribosomally synthesized peptides.

#### Synonyms

CypM

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.1.1.301

#### Reaction

$2 \text{ S-adenosyl-L-methionine} + \text{N-terminal L-alanine-[cypemycin]} = 2 \text{ S-adenosyl-L-homocysteine} + \text{N-terminal N,N-dimethyl-L-alanine-[cypemycin]}$

#### 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.