

## macrocin O-methyltransferase

Cat. No. EXWM-1699

Lot. No. (See product label)

### Introduction

#### Description

Requires Mg<sup>2+</sup>, Mn<sup>2+</sup> or Co<sup>2+</sup>. The 3-hydroxy group of the 2-O-methyl-6-deoxy-D-allose moiety in the macrolide antibiotic macrosin acts as methyl acceptor, generating tylosin, another macrolide antibiotic. Isolated from the bacterium *Streptomyces fradiae*. Not identical with EC 2.1.1.102, demethylmacrocin O-methyltransferase.

#### Synonyms

macrocin methyltransferase; S-adenosyl-L-methionine-macrocin O-methyltransferase; MOMT (ambiguous); tylF (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.1.1.101

#### CAS No.

79468-52-3

#### Reaction

S-adenosyl-L-methionine + macrocin = S-adenosyl-L-homocysteine + tylosin

#### 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.