

## betaine-homocysteine S-methyltransferase

Cat. No. EXWM-1953

Lot. No. (See product label)

### Introduction

#### Description

In the field of enzymology, a betaine-homocysteine S-methyltransferase also known as betaine-homocysteine methyltransferase (BHMT) is a zinc metallo-enzyme that catalyzes the transfer of a methyl group from trimethylglycine and a hydrogen ion from homocysteine to produce dimethylglycine and methionine respectively.

#### Synonyms

betaine-homocysteine methyltransferase; betaine-homocysteine transmethylase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.1.1.5

#### CAS No.

9029-78-1

#### Reaction

betaine + L-homocysteine = dimethylglycine + L-methionine

#### 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.