

## dimethyl-sulfide monooxygenase

Cat. No. EXWM-0731

Lot. No. (See product label)

### Introduction

#### Description

The enzyme has lower activity with diethyl sulfide and other short-chain alkyl methyl sulfides. Its activity is stimulated by combined addition of FMN, and, after depletion of cations, of  $Mg^{2+}$  and  $Fe^{2+}$ . The enzyme from *Hyphomicrobium* is a two component system that includes an FMN-dependent reductase subunit and a monooxygenase subunit.

#### Synonyms

dimethylsulfide monooxygenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.13.131

#### Reaction

dimethyl sulfide +  $O_2$  + NADH +  $H^+$  = methanethiol + formaldehyde +  $NAD^+$  +  $H_2O$

#### 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.