

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 Mg²⁺ and Fe²⁺. 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 + O₂ + NADH + H⁺ = methanethiol + formaldehyde + NAD⁺ + H₂O

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.