

trimethylamine monooxygenase

Cat. No. EXWM-0748

Lot. No. (See product label)

Introduction

Description

A flavoprotein. The bacterial enzyme enables bacteria to use trimethylamine as the sole source of carbon and energy. The mammalian enzyme is involved in detoxification of trimethylamine. Mutations in the human enzyme cause the inheritable disease known as trimethylaminuria (fish odor syndrome).

Synonyms

flavin-containing monooxygenase 3; FMO3; tmm (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.148

Reaction

$\text{N,N,N-trimethylamine} + \text{NADPH} + \text{H}^+ + \text{O}_2 = \text{N,N,N-trimethylamine N-oxide} + \text{NADP}^+ + \text{H}_2\text{O}$

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.