

## thiamine oxidase

Cat. No. EXWM-0404

Lot. No. (See product label)

### Introduction

#### Description

A flavoprotein (FAD). The product differs from thiamine in replacement of -CH<sub>2</sub>.CH<sub>2</sub>.OH by -CH<sub>2</sub>.COOH; the two-step oxidation proceeds without the release of the intermediate aldehyde from the enzyme.

#### Synonyms

thiamin dehydrogenase; thiamine dehydrogenase; thiamin:oxygen 5-oxidoreductase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.3.23

#### CAS No.

96779-44-1

#### Reaction

thiamine + 2 O<sub>2</sub> + H<sub>2</sub>O = thiamine acetic acid + 2 H<sub>2</sub>O<sub>2</sub>

#### 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.