

## nicotine dehydrogenase

Cat. No. EXWM-1571

Lot. No. (See product label)

### Introduction

#### Description

A metalloprotein (FMN). The enzyme can act on both the naturally found (S)-enantiomer and the synthetic (R)-enantiomer of nicotine, with retention of configuration in both cases.

#### Synonyms

nicotine oxidase; D-nicotine oxidase; nicotine:(acceptor) 6-oxidoreductase (hydroxylating); L-nicotine oxidase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.5.99.4

#### CAS No.

37256-31-8

#### Reaction

(S)-nicotine + acceptor + H<sub>2</sub>O = (S)-6-hydroxynicotine + reduced acceptor

#### 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.