Creative Enzymes®

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 + H2O = (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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.