

nitric oxide reductase [NAD(P)+, nitrous oxide-forming]

Cat. No. EXWM-1607

Lot. No. (See product label)

Introduction

Description

A heme-thiolate protein (P-450). The enzyme from *Fusarium oxysporum* utilizes only NADH, but the isozyme from *Trichosporon cutaneum* utilizes both NADH and NADPH. The electron transfer from NAD(P)H to heme occurs directly, not requiring flavin or other redox cofactors.

Synonyms

fungal nitric oxide reductase; cytochrome P450nor; NOR (ambiguous)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.7.1.14

Reaction

$\text{N}_2\text{O} + \text{NAD(P)}^+ + \text{H}_2\text{O} = 2 \text{NO} + \text{NAD(P)H} + \text{H}^+$

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.