

nitrite reductase [NAD(P)H]

Cat. No. EXWM-1611

Lot. No. (See product label)

Introduction

Description

An iron-sulfur flavoprotein (FAD) containing siroheme. The enzymes from the fungi *Neurospora crassa*, *Emericella nidulans* and *Candida nitratophila* and the bacterium *Aliivibrio fischeri* can use either NADPH or NADH as electron donor. cf. EC 1.7.1.15, nitrite reductase (NADH).

Synonyms

nitrite reductase (reduced nicotinamide adenine dinucleotide (phosphate)); assimilatory nitrite reductase (ambiguous); nitrite reductase [NAD(P)H₂]; NAD(P)H₂:nitrite oxidoreductase; nit-6 (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.7.1.4

CAS No.

9029-29-2

Reaction

$\text{NH}_3 + 3 \text{NAD(P)}^+ + 2 \text{H}_2\text{O} = \text{nitrite} + 3 \text{NAD(P)H} + 5 \text{H}^+$

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.