

nitrite reductase (cytochrome; ammonia-forming)

Cat. No. EXWM-1617

Lot. No. (See product label)

Introduction

Description

Found as a multiheme cytochrome in many bacteria. The enzyme from *Escherichia coli* contains five hemes c and requires Ca^{2+} . It also reduces nitric oxide and hydroxylamine to ammonia, and sulfite to sulfide.

Synonyms

cytochrome c nitrite reductase; multiheme nitrite reductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.7.2.2

Reaction

$\text{NH}_3 + 2 \text{H}_2\text{O} + 6 \text{ ferricytochrome c} = \text{nitrite} + 6 \text{ ferrocyanochrome c} + 7 \text{ H}^+$

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 $+4^\circ\text{C}$ for short term. For long term storage, store it at -20°C ~ -80°C .