

o-aminophenol oxidase

Cat. No. EXWM-0484

Lot. No. (See product label)

Introduction

Description

A flavoprotein which catalyses a 6-electron oxidation. The enzyme from the plant *Tecoma stans* requires Mn^{2+} and FAD whereas the fungus *Pycnoporus coccineus* requires Mn^{2+} and riboflavin 5'-phosphate, the bacteria *Streptomyces antibioticus* requires Cu^{2+} and the plant *Bauhenia monandra* does not require any co-factors.

Synonyms

isophenoxazine synthase; o-aminophenol:O₂ oxidoreductase; 2-aminophenol:O₂ oxidoreductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.10.3.4

CAS No.

9013-85-8

Reaction

$4 \text{ 2-aminophenol} + 3 \text{ O}_2 = 2 \text{ 2-aminophenoxazin-3-one} + 6 \text{ H}_2\text{O}$

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.