

protoporphyrinogen oxidase

Cat. No. EXWM-1378

Lot. No. (See product label)

Introduction

Description

This is the last common enzyme in the biosynthesis of chlorophylls and heme. Two isoenzymes exist in plants: one in plastids and the other in mitochondria. This is the target enzyme of phthalimide-type and diphenylether-type herbicides. The enzyme from oxygen-dependent species contains FAD. Also slowly oxidizes mesoporphyrinogen IX.

Synonyms

protoporphyrinogen IX oxidase; protoporphyrinogenase; PPO; Protox; HemG; HemY

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.3.3.4

CAS No.

53986-32-6

Reaction

protoporphyrinogen IX + 3 O₂ = protoporphyrin IX + 3 H₂O₂

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.