

polyamine oxidase (propane-1,3-diamine-forming)

Cat. No. EXWM-1541

Lot. No. (See product label)

Introduction

Description

As the products of the reaction cannot be converted directly to other polyamines, this class of polyamine oxidases is considered to be involved in the terminal catabolism of polyamines. This enzyme less efficiently catalyses the oxidation of N1-acetylspermine and spermine. A flavoprotein (FAD). Differs in specificity from EC 1.5.3.13 (N1-acetylpolyamine oxidase), EC 1.5.3.15 (N8-acetylspermidine oxidase (propane-1,3-diamine-forming), EC 1.5.3.16 (spermine oxidase) and EC 1.5.3.17 (non-specific polyamine oxidase).

Synonyms

MPAO; maize PAO

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.5.3.14

Reaction

spermidine + O₂ + H₂O = propane-1,3-diamine + 4-aminobutanal + 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.