

## aldehyde oxidase

Cat. No. EXWM-1206

Lot. No. (See product label)

### Introduction

#### Description

Contains molybdenum, [2Fe-2S] centres and FAD. The enzyme from liver exhibits a broad substrate specificity, and is involved in the metabolism of xenobiotics, including the oxidation of N-heterocycles and aldehydes and the reduction of N-oxides, nitrosamines, hydroxamic acids, azo dyes, nitropolycyclic aromatic hydrocarbons, and sulfoxides. The enzyme is also responsible for the oxidation of retinal, an activity that was initially attributed to a distinct enzyme (EC 1.2.3.11, retinal oxidase).

#### Synonyms

quinoline oxidase; retinal oxidase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.2.3.1

#### CAS No.

9029-07-6

#### Reaction

an aldehyde + H<sub>2</sub>O + O<sub>2</sub> = a carboxylate + H<sub>2</sub>O<sub>2</sub>

#### 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.