

## abscisic-aldehyde oxidase

Cat. No. EXWM-1208

Lot. No. (See product label)

### Introduction

#### Description

Acts on both (+)- and (-)-abscisic aldehyde. Involved in the abscisic-acid biosynthesis pathway in plants, along with EC 1.1.1.288, (xanthoxin dehydrogenase), EC 1.13.11.51 (9-cis-epoxycarotenoid dioxygenase) and EC 1.14.13.93 [(+)-abscisic acid 8'-hydroxylase]. While abscisic aldehyde is the best substrate, the enzyme also acts with indole-3-aldehyde, 1-naphthaldehyde and benzaldehyde as substrates, but more slowly.

#### Synonyms

abscisic aldehyde oxidase; AAO3; AOD; AOA

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.2.3.14

#### CAS No.

129204-36-0

#### Reaction

abscisic aldehyde + H<sub>2</sub>O + O<sub>2</sub> = abscisate + 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.