

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 + H₂O + O₂ = abscisate + 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.