

alditol oxidase

Cat. No. EXWM-0414

Lot. No. (See product label)

Introduction

Description

The enzyme from *Streptomyces* sp. IKD472 and from *Streptomyces coelicolor* is a monomeric oxidase containing one molecule of FAD per molecule of protein. While xylitol (five carbons) and sorbitol (6 carbons) are the preferred substrates, other alditols, including L-threitol (four carbons), D-arabitol (five carbons), D-galactitol (six carbons) and D-mannitol (six carbons) can also act as substrates, but more slowly. Belongs in the vanillyl-alcohol-oxidase family of enzymes.

Synonyms

xylitol oxidase; xylitol:oxygen oxidoreductase; AldO

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.3.41

CAS No.

177322-52-0

Reaction

an alditol + O₂ = an aldose + 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.