

D-arabinono-1,4-lactone oxidase

Cat. No. EXWM-0409

Lot. No. (See product label)

Introduction

Description

A flavoprotein (FAD). L-Galactono-1,4-lactone, L-gulono-1,4-lactone and L-xylono-1,4-lactone can also act as substrates but D-glucono-1,5-lactone, L-arabinono-1,4-lactone, D-galactono-1,4-lactone and D-gulono-1,4-lactone cannot. With L-galactono-1,4-lactone as substrate, the product is L-ascorbate. The product dehydro-D-arabinono-1,4-lactone had previously been referred to erroneously as D-erythroascorbate (CAS no.: 5776-48-7; formula: C₆H₈O₆), although it was referred to as a five-carbon compound.

Synonyms

D-arabinono-γ-lactone oxidase; ALO

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.3.37

CAS No.

182372-12-9

Reaction

D-arabinono-1,4-lactone + O₂ = dehydro-D-arabinono-1,4-lactone + 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.