

L-gulonolactone oxidase

Cat. No. EXWM-0426

Lot. No. (See product label)

Introduction

Description

A microsomal flavoprotein (FAD). The product spontaneously isomerizes to L-ascorbate. While most higher animals can synthesize ascorbic acid, primates and guinea pigs cannot.

Synonyms

L-gulono-γ-lactone: O₂ oxidoreductase; L-gulono-γ-lactone oxidase; L-gulono-γ-lactone:oxidoreductase; GLO

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.3.8

CAS No.

9028-78-8

Reaction

L-gulono-1,4-lactone + O₂ = L-ascorbate + H₂O₂ (overall reaction); (1a) L-gulono-1,4-lactone + O₂ = L-xylo-hex-2-ulono-1,4-lactone + H₂O₂; (1b) L-xylo-hex-2-ulono-1,4-lactone = L-ascorbate (spontaneous)

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.