

L-sorbose 1-dehydrogenase

Cat. No. EXWM-0461

Lot. No. (See product label)

Introduction

Description

The product, L-sorbose, is an intermediate in bacterial 2-keto-L-gulononic-acid formation. The activity of this membrane-bound enzyme is stimulated by Fe(III) or Co²⁺ but is inhibited by Cu²⁺. The enzyme is highly specific for L-sorbose as other sugars, such as glucose, mannitol and sorbitol, are not substrates. Phenazine methosulfate and DCIP can act as artificial acceptors.

Synonyms

SDH

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.99.32

Reaction

L-sorbose + acceptor = 1-dehydro-L-sorbose + reduced acceptor

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.