

L-iditol 2-dehydrogenase

Cat. No. EXWM-0043

Lot. No. (See product label)

Introduction

Description

This enzyme is widely distributed and has been described in archaea, bacteria, yeast, plants and animals. It acts on a number of sugar alcohols, including (but not limited to) L-iditol, D-glucitol, D-xylitol, and D-galactitol. Enzymes from different organisms or tissues display different substrate specificity. The enzyme is specific to NAD⁺ and can not use NADP⁺.

Synonyms

polyol dehydrogenase; sorbitol dehydrogenase; L-iditol:NAD⁺ 5-oxidoreductase; L-iditol (sorbitol) dehydrogenase; glucitol dehydrogenase; L-iditol:NAD⁺ oxidoreductase; NAD⁺-dependent sorbitol dehydrogenase; NAD⁺-sorbitol dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.14

CAS No.

9028-21-1

Reaction

L-iditol + NAD⁺ = L-sorbose + NADH + H⁺

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.