Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.