

alcohol dehydrogenase

Cat. No. EXWM-0001

Lot. No. (See product label)

Introduction

Description

A zinc protein. Acts on primary or secondary alcohols or hemi-acetals with very broad specificity; however the enzyme oxidizes methanol much more poorly than ethanol. The animal, but not the yeast, enzyme acts also on cyclic secondary alcohols.

Synonyms

aldehyde reductase; ADH; alcohol dehydrogenase (NAD); aliphatic alcohol dehydrogenase; ethanol dehydrogenase; NAD-dependent alcohol dehydrogenase; NAD-specific aromatic alcohol dehydrogenase; NADH-alcohol dehydrogenase; NADH-aldehyde dehydrogenase; primary alcohol dehydrogenase; yeast alcohol dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.1

CAS No.

9031-72-5

Reaction

(1) a primary alcohol + NAD⁺ = an aldehyde + NADH + H⁺; (2) a secondary alcohol + NAD⁺ = a ketone + 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.