

aldehyde dehydrogenase [NAD(P)+]

Cat. No. EXWM-1153

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the aldehyde or oxo group of donor with NAD⁺ or NADP⁺ as acceptor. The systematic name of this enzyme class is aldehyde:NAD(P)⁺ oxidoreductase. Other names in common use include aldehyde dehydrogenase [NAD(P)⁺], and ALDH. This enzyme participates in 5 metabolic pathways: glycolysis / gluconeogenesis, histidine metabolism, tyrosine metabolism, phenylalanine metabolism, and metabolism of xenobiotics by cytochrome p450.

Synonyms

ALDH

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.2.1.5

CAS No.

9028-88-0

Reaction

an aldehyde + NAD(P)⁺ + H₂O = a carboxylate + NAD(P)H + 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.