

aldehyde dehydrogenase (NADP+)

Cat. No. EXWM-1144

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:NADP⁺ oxidoreductase. Other names in common use include NADP⁺-acetaldehyde dehydrogenase, NADP⁺-dependent aldehyde dehydrogenase, and aldehyde dehydrogenase (NADP⁺). This enzyme participates in caprolactam degradation.

Synonyms

NADP-acetaldehyde dehydrogenase; NADP-dependent aldehyde dehydrogenase; aldehyde dehydrogenase (NADP)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.2.1.4

CAS No.

9028-87-9

Reaction

an aldehyde + NADP⁺ + H₂O = a carboxylate + NADPH + 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.