

alanopine dehydrogenase

Cat. No. EXWM-1498

Lot. No. (See product label)

Introduction

Description

In the reverse reaction, L-alanine can be replaced by L-cysteine, L-serine or L-threonine; glycine acts very slowly (cf. EC 1.5.1.22 strombine dehydrogenase).

Synonyms

ALPDH alanopine[meso-N-(1-carboxyethyl)-alanine]dehydrogenase; meso-N-(1-carboxyethyl)-alanine:NAD⁺ oxidoreductase; alanopine: NAD oxidoreductase; ADH; alanopine:NAD oxidoreductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.5.1.17

CAS No.

71343-07-2

Reaction

2,2'-iminodipropionate + NAD⁺ + H₂O = L-alanine + pyruvate + 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.