Creative Enzymes®

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