

valine dehydrogenase (NADP+)

Cat. No. EXWM-1462

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-NH₂ group of donors with NAD⁺ or NADP⁺ as acceptor. The systematic name of this enzyme class is L-valine:NADP⁺ oxidoreductase (deaminating). Other names in common use include valine dehydrogenase (nicotinamide adenine dinucleotide phosphate), and valine dehydrogenase (NADP⁺).

Synonyms

valine dehydrogenase (nicotinamide adenine dinucleotide phosphate); valine dehydrogenase (NADP)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.4.1.8

CAS No.

37255-39-3

Reaction

L-valine + H₂O + NADP⁺ = 3-methyl-2-oxobutanoate + NH₃ + 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.