

pantoate 4-dehydrogenase

Cat. No. EXWM-0009

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD⁺ or NADP⁺ as acceptor. The systematic name of this enzyme class is (R)-pantoate:NAD⁺ 4-oxidoreductase. Other names in common use include pantoate dehydrogenase, pantothenase, and D-pantoate:NAD⁺ 4-oxidoreductase. This enzyme participates in pantothenate and coa biosynthesis.

Synonyms

pantoate dehydrogenase; pantothenase; D-pantoate:NAD⁺ 4-oxidoreductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.106

CAS No.

37250-38-7

Reaction

(R)-pantoate + NAD⁺ = (R)-4-dehydropantoate + 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.