

succinate-semialdehyde dehydrogenase [NAD(P)+]

Cat. No. EXWM-1121

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 succinate-semialdehyde:NAD(P)⁺ oxidoreductase. Other names in common use include succinate semialdehyde dehydrogenase (nicotinamide adenine, dinucleotide (phosphate)), and succinate-semialdehyde dehydrogenase [NAD(P)⁺]. This enzyme participates in 3 metabolic pathways: glutamate metabolism, tyrosine metabolism, and butanoate metabolism.

Synonyms

succinate semialdehyde dehydrogenase (nicotinamide adenine dinucleotide (phosphate)); succinate-semialdehyde dehydrogenase [NAD(P)]

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.2.1.16

CAS No.

37250-88-7

Reaction

succinate semialdehyde + NAD(P)⁺ + H₂O = succinate + NAD(P)H + 2 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.