

succinate-semialdehyde dehydrogenase (acylating)

Cat. No. EXWM-1178

Lot. No. (See product label)

Introduction

Description

Catalyses the NADPH-dependent reduction of succinyl-CoA to succinate semialdehyde. The enzyme has been described in *Clostridium kluyveri*, where it participates in succinate fermentation, and in *Metallosphaera sedula*, where it participates in the 3-hydroxypropanonate/4-hydroxybutanoate cycle, an autotrophic CO₂ fixation pathway found in some thermoacidophilic archaea.

Synonyms

succinyl-coA reductase; coenzyme-A-dependent succinate-semialdehyde dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.2.1.76

Reaction

succinate semialdehyde + CoA + NADP⁺ = succinyl-CoA + 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.