

acyl-CoA dehydrogenase (NADP+)

Cat. No. EXWM-1349

Lot. No. (See product label)

Introduction

Description

The liver enzyme acts on enoyl-CoA derivatives of carbon chain length 4 to 16, with optimum activity on 2-hexenoyl-CoA. In Escherichia coli, cis-specific and trans-specific enzymes exist [EC 1.3.1.37 cis-2-enoyl-CoA reductase (NADPH) and EC 1.3.1.38 trans-2-enoyl-CoA reductase (NADPH)].

Synonyms

2-enoyl-CoA reductase; dehydrogenase, acyl coenzyme A (nicotinamide adenine dinucleotide phosphate); enoyl coenzyme A reductase; crotonyl coenzyme A reductase; crotonyl-CoA reductase; acyl-CoA dehydrogenase (NADP+)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.3.1.8

CAS No.

37251-07-3

Reaction

acyl-CoA + NADP+ = 2,3-dehydroacyl-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.