

crotonyl-CoA reductase

Cat. No. EXWM-1355

Lot. No. (See product label)

Introduction

Description

Catalyses the reaction in the reverse direction. This enzyme from *Streptomyces collinus* is specific for (E)-but-2-enoyl-CoA, and is proposed to provide butanoyl-CoA as a starter unit for straight-chain fatty acid biosynthesis.

Synonyms

butyryl-CoA dehydrogenase; butyryl dehydrogenase; unsaturated acyl-CoA reductase; ethylene reductase; enoyl-coenzyme A reductase; unsaturated acyl coenzyme A reductase; butyryl coenzyme A dehydrogenase; short-chain acyl CoA dehydrogenase; short-chain acyl-coenzyme A dehydrogenase; 3-hydroxyacyl CoA reductase; butanoyl-CoA:(acceptor) 2,3-oxidoreductase; CCR

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.3.1.86

Reaction

butanoyl-CoA + NADP⁺ = (E)-but-2-enoyl-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.