

3-hydroxyacyl-CoA dehydrogenase

Cat. No. EXWM-0265

Lot. No. (See product label)

Introduction

Description

Also oxidizes S-3-hydroxyacyl-N-acylthioethanolamine and S-3-hydroxyacyl-hydrolipoate. Some enzymes act, more slowly, with NADP⁺. Broad specificity to acyl chain-length (cf. EC 1.1.1.211 [long-chain-3-hydroxyacyl-CoA dehydrogenase]).

Synonyms

β-hydroxyacyl dehydrogenase; β-keto-reductase; 3-keto reductase; 3-hydroxyacyl coenzyme A dehydrogenase; β-hydroxyacyl-coenzyme A synthetase; β-hydroxyacylcoenzyme A dehydrogenase; β-hydroxybutyrylcoenzyme A dehydrogenase; 3-hydroxyacetyl-coenzyme A dehydrogenase; L-3-hydroxyacyl coenzyme A dehydrogenase; L-3-hydroxyacyl CoA dehydrogenase; β-hydroxyacyl CoA dehydrogenase; 3β-hydroxyacyl coenzyme A dehydrogenase; 3-hydroxybutyryl-CoA dehydrogenase; β-ketoacyl-CoA reductase; β-hydroxy acid dehydrogenase; 3-L-hydroxyacyl-CoA dehydrogenase; 3-hydroxyisobutyryl-CoA dehydrogenase; 1-specific DPN-linked β-hydroxybutyric dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.35

CAS No.

9028-40-4

Reaction

(S)-3-hydroxyacyl-CoA + NAD⁺ = 3-oxoacyl-CoA + 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.