

enoyl-CoA hydratase 2

Cat. No. EXWM-4959

Lot. No. (See product label)

Introduction

Description

This enzyme catalyses a hydration step in peroxisomal β -oxidation. The human multifunctional enzyme type 2 (MFE-2) is a 79000 Da enzyme composed of three functional units: (3R)-hydroxyacyl-CoA dehydrogenase, 2-enoyl-CoA hydratase 2 and sterol carrier protein 2-like units. The enzymes from *Aeromonas caviae* and *Arabidopsis thaliana* are monofunctional enzymes. 2-Enoyl-CoA hydratase 3 from *Candida tropicalis* is a part from multifunctional enzyme type 2.

Synonyms

2-enoyl-CoA hydratase 2; AtECH2; ECH2; MaoC; MFE-2; PhajAc; D-3-hydroxyacyl-CoA hydro-lyase; D-specific 2-trans-enoyl-CoA hydratase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.2.1.119

Reaction

$(3R)\text{-}3\text{-hydroxyacyl-CoA} = (2E)\text{-}2\text{-enoyl-CoA} + \text{H}_2\text{O}$

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.