

(R)-2-hydroxyisocaproyl-CoA dehydratase

Cat. No. EXWM-4998

Lot. No. (See product label)

Introduction

Description

The enzyme, isolated from the bacterium *Peptoclostridium difficile*, is involved in the reductive branch of L-leucine fermentation. It catalyses an α/β -dehydration, which depends on the reductive formation of ketyl radicals on the substrate generated by injection of a single electron from the ATP-dependent activator protein HadI.

Synonyms

2-hydroxyisocaproyl-CoA dehydratase; HadBC

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.2.1.157

Reaction

(R)-2-hydroxy-4-methylpentanoyl-CoA = 4-methylpent-2-enoyl-CoA + H₂O

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.