Creative Enzymes®

3-isopropylmalate dehydratase

Cat. No. EXWM-5024

Lot. No. (See product label)

Introduction

Description	Forms part of the leucine biosynthesis pathway. The enzyme brings about the interconversion of the two isomers of isopropylmalate. It contains an iron-sulfur cluster.
Synonyms	(2R,3S)-3-isopropylmalate hydro-lyase; β-isopropylmalate dehydratase; isopropylmalate isomerase; α-isopropylmalate isomerase; 3-isopropylmalate hydro-lyase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.1.33
CAS No.	37290-72-5
Reaction	(2R,3S)-3-isopropylmalate = (2S)-2-isopropylmalate (overall reaction); (1a) (2R,3S)-3-isopropylmalate = 2-isopropylmaleate + H2O; (1b) 2-isopropylmaleate + H2O = (2S)-2-isopropylmalate
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.