acetolactate decarboxylase

Cat. No. EXWM-4795

Lot. No. (See product label)

Introduction

Description This enzyme belongs to the family of lyases, specifically the carboxy-lyases, which cleave carbon-carbon bonds. This enzyme participates in butanoate metabolism and c5-branched dibasic acid metabolism.

Synonyms α-acetolactate decarboxylase; (S)-2-hydroxy-2-methyl-3-oxobutanoate carboxy-lyase; (S)-2-hydroxy-2-methyl-3-oxobutanoate carboxy-lyase [(R)-2-acetoin-forming]; (S)-2-hydroxy-2-methyl-3-oxobutanoate carboxy-lyase [(3R)-3-hydroxybutan-2-one-forming]

Product Information

Form Liquid or lyophilized powder

EC Number EC 4.1.1.5

CAS No. 9025-02-9

Reaction (2S)-2-hydroxy-2-methyl-3-oxobutanoate = (3R)-3-hydroxybutan-2-one + CO_2

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 ℃.