

## 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**  $\alpha$ -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<sub>2</sub>

**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.