

## methyImalonate-semialdehyde dehydrogenase (CoA-acylating)

Cat. No. EXWM-1133

Lot. No. (See product label)

### Introduction

#### Description

Also converts 3-oxopropanoate into acetyl-CoA. The reaction occurs in two steps with the decarboxylation process preceding CoA-binding. Bicarbonate rather than CO<sub>2</sub> is released as a final product.

#### Synonyms

MSDH; MMSA dehydrogenase; iolA (gene name); methyImalonate-semialdehyde dehydrogenase (acylating)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.2.1.27

#### CAS No.

37205-49-5

#### Reaction

2-methyl-3-oxopropanoate + CoA + H<sub>2</sub>O + NAD<sup>+</sup> = propanoyl-CoA + HCO<sub>3</sub><sup>-</sup> + NADH

#### 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.