

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 CO₂ 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 + H₂O + NAD⁺ = propanoyl-CoA + HCO₃⁻ + 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.