Creative Enzymes®

methylmalonate-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); methylmalonate-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.