

D-malate dehydrogenase (decarboxylating)

Cat. No. EXWM-0367

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD⁺ or NADP⁺ as acceptor. The systematic name of this enzyme class is (R)-malate:NAD⁺ oxidoreductase (decarboxylating). Other names in common use include D-malate dehydrogenase, D-malic enzyme, bifunctional L(+)-tartrate dehydrogenase-D(+)-malate (decarboxylating). This enzyme participates in butanoate metabolism.

Synonyms

D-malate dehydrogenase; D-malic enzyme; bifunctional L(+)-tartrate dehydrogenase-D(+)-malate (decarboxylating)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.83

CAS No.

37250-20-7

Reaction

(R)-malate + NAD⁺ = pyruvate + CO₂ + 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.