

2-hydroxymethylglutarate dehydrogenase

Cat. No. EXWM-0200

Lot. No. (See product label)

Introduction

Description

NADP⁺ cannot replace NAD⁺. Forms part of the nicotinate-fermentation catabolism pathway in *Eubacterium barkeri*. Other enzymes involved in this pathway are EC 1.17.1.5 (nicotinate dehydrogenase), EC 1.3.7.1 (6-hydroxynicotinate reductase), EC 3.5.2.18 (enamidase), EC 5.4.99.4 (2-methyleneglutarate mutase), EC 5.3.3.6 (methylitaconate Δ -isomerase), EC 4.2.1.85 (dimethylmaleate hydratase) and EC 4.1.3.32 (2,3-dimethylmalate lyase).

Synonyms

HgD

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.291

CAS No.

1073478-76-8

Reaction

(S)-2-hydroxymethylglutarate + NAD⁺ = 2-formylglutarate + NADH + H⁺

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.