

1,3-propanediol dehydrogenase

Cat. No. EXWM-0107

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 propane-1,3-diol:NAD⁺ 1-oxidoreductase. Other names in common use include 3-hydroxypropionaldehyde reductase, 1,3-PD:NAD⁺ oxidoreductase, 1,3-propanediol:NAD⁺ oxidoreductase, and 1,3-propanediol dehydrogenase. This enzyme participates in ether lipid metabolism as a step in glycerolipid biosynthesis.

Synonyms

3-hydroxypropionaldehyde reductase; 1,3-PD:NAD⁺ oxidoreductase; 1,3-propanediol:NAD⁺ oxidoreductase; 1,3-propanediol dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.202

CAS No.

81611-70-3

Reaction

propane-1,3-diol + NAD⁺ = 3-hydroxypropanal + 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.