Creative Enzymes®

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