Creative Enzymes®

lactaldehyde reductase

Cat. No. EXWM-0360

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)[or (S)]-propane-1,2-diol:NAD+ oxidoreductase. Other names in common use include propanediol:nicotinamide adenine dinucleotide (NAD+) oxidoreductase, and L-lactaldehyde:propanediol oxidoreductase. This enzyme participates in pyruvate metabolism and glyoxylate and dicarboxylate metabolism.
Synonyms	propanediol:nicotinamide adenine dinucleotide (NAD) oxidoreductase; L-lactaldehyde:propanediol oxidoreductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.77
CAS No.	37250-15-0
Reaction	(R)[or (S)]-propane-1,2-diol + NAD+ = (R)[or (S)]-lactaldehyde + 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 ℃.