

## 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<sup>+</sup> or NADP<sup>+</sup> as acceptor. The systematic name of this enzyme class is (R)[or (S)]-propane-1,2-diol:NAD<sup>+</sup> oxidoreductase. Other names in common use include propanediol:nicotinamide adenine dinucleotide (NAD<sup>+</sup>) 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<sup>+</sup> = (R)[or (S)]-lactaldehyde + NADH + H<sup>+</sup>

#### 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.