

## 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.