

Lactaldehyde dehydrogenase from Escherichia coli, Recombinant

Cat. No. NATE-1213

Lot. No. (See product label)

Introduction

Description In enzymology, a lactaldehyde dehydrogenase (EC 1.2.1.22) is an enzyme that catalyzes the chemical reaction: (S)-lactaldehyde + NAD⁺ + H₂O ⇌ (S)-lactate + NADH + 2 H⁺. The 3 substrates of this enzyme are (S)-lactaldehyde, NAD⁺, and H₂O, whereas its 3 products are (S)-lactate, NADH, and H⁺. This enzyme belongs to the family of oxidoreductases, specifically those acting on the aldehyde or oxo group of donor with NAD⁺ or NADP⁺ as acceptor.

Synonyms E.C. 1.2.1.22; lactaldehyde dehydrogenase; L-lactaldehyde:NAD oxidoreductase; nicotinamide adenine dinucleotide (NAD)-linked dehydrogenase; (S)-lactaldehyde:NAD⁺ oxidoreductase

Product Information

Source Escherichia coli

EC Number EC 1.2.1.22

CAS No. 37250-90-1

Molecular Weight 53337.9 Da