Creative Enzymes®

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