

4-trimethylammoniobutyraldehyde dehydrogenase

Cat. No. EXWM-1150

Lot. No. (See product label)

Introduction

Description 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. The systematic name of this enzyme class is 4-trimethylammoniobutanal:NAD⁺ 1-oxidoreductase. Other names in common use include 4-trimethylaminobutyraldehyde dehydrogenase, and 4-N-trimethylaminobutyraldehyde dehydrogenase. This enzyme participates in lysine degradation and carnitine biosynthesis.

Synonyms 4-trimethylaminobutyraldehyde dehydrogenase; 4-N-trimethylaminobutyraldehyde dehydrogenase

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.2.1.47

CAS No. 73361-01-0

Reaction 4-trimethylammoniobutanal + NAD⁺ + H₂O = 4-trimethylammoniobutanoate + NADH + 2 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.