Creative Enzymes®

benzaldehyde dehydrogenase (NAD+)

Cat. No. EXWM-1134

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 benzaldehyde:NAD+ oxidoreductase. Other names in common use include benzaldehyde (NAD+) dehydrogenase, and benzaldehyde dehydrogenase (NAD+). This enzyme participates in benzoate degradation via hydroxylation and toluene and xylene degradation.
Synonyms	benzaldehyde (NAD) dehydrogenase; benzaldehyde dehydrogenase (NAD)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.2.1.28
CAS No.	37250-93-4
Reaction	benzaldehyde + NAD+ + H2O = benzoate + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.