

4-hydroxybenzaldehyde dehydrogenase (NAD⁺)

Cat. No. EXWM-1166

Lot. No. (See product label)

Introduction

Description

The bacterial enzyme (characterized from an unidentified denitrifying bacterium) is involved in an anaerobic toluene degradation pathway. The plant enzyme is involved in formation of 4-hydroxybenzoate, a cell wall-bound phenolic acid that plays a major role in plant defense against pathogens. cf. EC 1.2.1.96, 4-hydroxybenzaldehyde dehydrogenase (NADP⁺).

Synonyms

p-hydroxybenzaldehyde dehydrogenase (ambiguous); 4-hydroxybenzaldehyde dehydrogenase (ambiguous)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.2.1.64

CAS No.

61229-72-9

Reaction

4-hydroxybenzaldehyde + NAD⁺ + H₂O = 4-hydroxybenzoate + 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.