

3-hydroxybenzyl-alcohol dehydrogenase

Cat. No. EXWM-0381

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD⁺ or NADP⁺ as acceptor. The systematic name of this enzyme class is 3-hydroxybenzyl-alcohol:NADP⁺ oxidoreductase. Other names in common use include m-hydroxybenzyl alcohol dehydrogenase, m-hydroxybenzyl alcohol (NADP⁺) dehydrogenase, and m-hydroxybenzylalcohol dehydrogenase. This enzyme participates in toluene and xylene degradation.

Synonyms

m-hydroxybenzyl alcohol dehydrogenase; m-hydroxybenzyl alcohol (NADP) dehydrogenase; m-hydroxybenzylalcohol dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.97

CAS No.

9075-73-4

Reaction

3-hydroxybenzyl alcohol + NADP⁺ = 3-hydroxybenzaldehyde + NADPH + 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.