

4-hydroxybenzoate 3-monooxygenase [NAD(P)H]

Cat. No. EXWM-0840

Lot. No. (See product label)

Introduction

Description

A flavoprotein (FAD). The enzyme from *Corynebacterium cyclohexanicum* is highly specific for 4-hydroxybenzoate, but uses NADH and NADPH at approximately equal rates (cf. EC 1.14.13.2 4-hydroxybenzoate 3-monooxygenase). It is less specific for NADPH than EC 1.14.13.2.

Synonyms

4-hydroxybenzoate 3-monooxygenase (reduced nicotinamide adenine dinucleotide (phosphate)); 4-hydroxybenzoate-3-hydroxylase; 4-hydroxybenzoate 3-hydroxylase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.33

CAS No.

95471-33-3

Reaction

4-hydroxybenzoate + NAD(P)H + H⁺ + O₂ = 3,4-dihydroxybenzoate + NAD(P)⁺ + H₂O

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.