Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.