Creative Enzymes®

4-methylphenol dehydrogenase (hydroxylating)

Cat. No. EXWM-1101

Lot. No. (See product label)

Introduction

Description	A flavocytochrome c (FAD). Phenazine methosulfate can act as acceptor. A quinone methide is probably formed as intermediate. The first hydroxylation forms 4-hydroxybenzyl alcohol; a second hydroxylation converts this into 4-hydroxybenzaldehyde.
Synonyms	p-cresol-(acceptor) oxidoreductase (hydroxylating); p-cresol methylhydroxylase; 4-cresol dehydrogenase (hydroxylating)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.17.99.1
CAS No.	66772-07-4
Reaction	4-methylphenol + 2 acceptor + H2O = 4-hydroxybenzaldehyde + 2 reduced acceptor
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 ℃.