

phenol 2-monooxygenase (NADPH)

Cat. No. EXWM-0876

Lot. No. (See product label)

Introduction

Description

A flavoprotein (FAD). The enzyme from the fungus *Trichosporon cutaneum* has a broad substrate specificity, and has been reported to catalyse the hydroxylation of a variety of substituted phenols, such as fluoro-, chloro-, amino- and methyl-phenols and also dihydroxybenzenes. cf. EC 1.14.14.20, phenol 2-monooxygenase (FADH₂).

Synonyms

phenol hydroxylase; phenol o-hydroxylase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.7

CAS No.

37256-84-1

Reaction

phenol + NADPH + H⁺ + O₂ = catechol + NADP⁺ + 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.