Creative Enzymes®

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