Creative Enzymes®

catechol oxidase

Cat. No. EXWM-0475

Lot. No. (See product label)

Introduction

Description	A type 3 copper protein that catalyses exclusively the oxidation of catechol (i.e., o-diphenol) to the corresponding o-quinone. The enzyme also acts on a variety of substituted catechols.It is different from tyrosinase, EC 1.14.18.1, which can catalyse both the monooxygenation of monophenols and the oxidation of catechols.
Synonyms	diphenol oxidase; o-diphenolase; polyphenol oxidase; pyrocatechol oxidase; dopa oxidase; catecholase; o-diphenol:oxygen oxidoreductase; o-diphenol oxidoreductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.10.3.1
CAS No.	9002-10-2
Reaction	2 catechol + O2 = 2 1,2-benzoquinone + 2 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 ℃.