Creative Enzymes®

3-carboxyethylcatechol 2,3-dioxygenase

Cat. No. EXWM-0535

Lot. No. (See product label)

Introduction

Description	An iron protein. This enzyme catalyses a step in the pathway of phenylpropanoid compounds degradation.
Synonyms	2,3-dihydroxy-β-phenylpropionic dioxygenase; 2,3-dihydroxy-β-phenylpropionate oxygenase; 3-(2,3-dihydroxyphenyl)propanoate:oxygen 1,2-oxidoreductase; 3-(2,3-dihydroxyphenyl)propanoate:oxygen 1,2-oxidoreductase (decyclizing)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.13.11.16
CAS No.	105503-63-7
Reaction	(1) 3-(2,3-dihydroxyphenyl)propanoate + O2 = (2Z,4E)-2-hydroxy-6-oxonona-2,4-diene-1,9-dioate; (2) (2E)-3-(2,3-dihydroxyphenyl)prop-2-enoate + O2 = (2Z,4E,7E)-2-hydroxy-6-oxonona-2,4,7-triene-1,9-dioate
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 ℃.