

hydroquinone 1,2-dioxygenase

Cat. No. EXWM-0586

Lot. No. (See product label)

Introduction

Description

The enzyme is an extradiol-type dioxygenase, and is a member of the nonheme-iron(II)-dependent dioxygenase family. It catalyses the ring cleavage of a wide range of hydroquinone substrates to produce the corresponding 4-hydroxymuconic semialdehydes.

Synonyms

hydroquinone dioxygenase; benzene-1,4-diol:oxygen 1,2-oxidoreductase (decyclizing)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.13.11.66

Reaction

benzene-1,4-diol + O₂ = (2Z,4E)-4-hydroxy-6-oxohexa-2,4-dienoate

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.