

benzoate 1,2-dioxygenase

Cat. No. EXWM-0679

Lot. No. (See product label)

Introduction

Description

A system, containing a reductase which is an iron-sulfur flavoprotein (FAD), and an iron-sulfur oxygenase. Requires Fe²⁺.

Synonyms

benzoate hydroxylase; benzoate hydroxylase; benzoic hydroxylase; benzoate dioxygenase; benzoate,NADH:oxygen oxidoreductase (1,2-hydroxylating, decarboxylating) [incorrect]

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.12.10

CAS No.

9059-18-1

Reaction

benzoate + NADH + H⁺ + O₂ = (1R,6S)-1,6-dihydroxycyclohexa-2,4-diene-1-carboxylate + NAD⁺

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.