

2,3-epoxybenzoyl-CoA dihydrolase

Cat. No. EXWM-4880

Lot. No. (See product label)

Introduction

Description

The enzyme is involved in the aerobic benzoyl-CoA catabolic pathway of the bacterium *Azoarcus evansii*. The enzyme converts 2,3-epoxy-2,3-dihydrobenzoyl-CoA to its oxepin form prior to the ring-opening and the formation of a dialdehyde intermediate.

Synonyms

2,3-dihydro-2,3-dihydroxybenzoyl-CoA lyase/hydrolase (deformylating); BoxC; dihydrodiol transforming enzyme; benzoyl-CoA oxidation component C; 2,3-dihydro-2,3-dihydroxybenzoyl-CoA 3,4-didehydroadipyl-CoA semialdehyde-lyase (formate-forming); benzoyl-CoA-dihydrodiol lyase (incorrect); 2,3-dihydro-2,3-dihydroxybenzoyl-CoA 3,4-didehydroadipyl-CoA-semialdehyde-lyase (formate-forming)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.1.2.44

Reaction

$2,3\text{-epoxy-}2,3\text{-dihydrobenzoyl-CoA} + 2 \text{ H}_2\text{O} = (3Z)\text{-6-oxohex-3-enoyl-CoA} + \text{formate}$

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.