

1-hydroxy-2-naphthoate 1,2-dioxygenase

Cat. No. EXWM-0557

Lot. No. (See product label)

Introduction

Description

Requires Fe²⁺. Involved, with EC 4.1.2.34 4-(2-carboxyphenyl)-2-oxobut-3-enoate aldolase, in the metabolism of phenanthrene in bacteria.

Synonyms

1-hydroxy-2-naphthoate dioxygenase; 1-hydroxy-2-naphthoate-degrading enzyme; 1-hydroxy-2-naphthoic acid dioxygenase; 1-hydroxy-2-naphthoate:oxygen 1,2-oxidoreductase (decyclizing)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.13.11.38

CAS No.

85941-64-6

Reaction

1-hydroxy-2-naphthoate + O₂ = (3Z)-4-(2-carboxyphenyl)-2-oxobut-3-enoate

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.