

2-hydroxy-3-oxoadipate synthase

Cat. No. EXWM-2032

Lot. No. (See product label)

Introduction

Description

The bacterial enzyme requires thiamine diphosphate. The product decarboxylates to 5-hydroxy-4-oxopentanoate. The enzyme can decarboxylate 2-oxoglutarate. Acetaldehyde can replace glyoxylate.

Synonyms

2-hydroxy-3-oxoadipate glyoxylate-lyase (carboxylating); α -ketoglutaric-glyoxylic carboligase; oxoglutarate: glyoxylate carboligase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.2.1.5

CAS No.

9054-72-2

Reaction

2-oxoglutarate + glyoxylate = 2-hydroxy-3-oxoadipate + CO₂

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.