Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.