

3-methyl-2-oxobutanoate hydroxymethyltransferase

Cat. No. EXWM-2002

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of transferases that transfer one-carbon groups, specifically the hydroxymethyl-, formyl- and related transferases. This enzyme participates in pantothenate and coa biosynthesis.

Synonyms

α -ketoisovalerate hydroxymethyltransferase; dehydropantoate hydroxymethyltransferase; ketopantoate hydroxymethyltransferase; oxopantoate hydroxymethyltransferase; 5,10-methylene tetrahydrofolate: α -ketoisovalerate hydroxymethyltransferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.1.2.11

CAS No.

56093-17-5

Reaction

5,10-methylenetetrahydrofolate + 3-methyl-2-oxobutanoate + H₂O = tetrahydrofolate + 2-dehydropantoate

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.