Creative Enzymes®

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