

## 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**  $\alpha$ -ketoisovalerate hydroxymethyltransferase; dehydropantoate hydroxymethyltransferase; ketopantoate hydroxymethyltransferase; oxopantoate hydroxymethyltransferase; 5,10-methylene tetrahydrofolate: $\alpha$ -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 + H<sub>2</sub>O = 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.