

## 3,5,7-trioxododecanoyl-CoA synthase

Cat. No. EXWM-2151

Lot. No. (See product label)

### Introduction

#### Description

A polyketide synthase catalysing the first committed step in the cannabinoids biosynthetic pathway of the plant *Cannabis sativa*. The enzyme was previously thought to also function as a cyclase, but the cyclization is now known to be catalysed by EC 4.4.1.26, olivetolic acid cyclase.

#### Synonyms

TKS (ambiguous); olivetol synthase (incorrect)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.3.1.206

#### Reaction

$3 \text{ malonyl-CoA} + \text{hexanoyl-CoA} = 3 \text{ CoA} + 3,5,7\text{-trioxododecanoyl-CoA} + 3 \text{ CO}_2$

#### 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.