

## 5-methylnaphthoic acid synthase

Cat. No. EXWM-2184

Lot. No. (See product label)

### Introduction

#### Description

A multi-domain polyketide synthase involved in the synthesis of azinomycin B in the bacterium *Streptomyces griseofuscus*.

#### Synonyms

AziB

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.3.1.236

#### Reaction

$\text{acetyl-CoA} + 5 \text{ malonyl-CoA} + 3 \text{ NADPH} + 3 \text{ H}^+ = 5\text{-methyl-1-naphthoate} + 6 \text{ CoA} + 5 \text{ CO}_2 + 4 \text{ H}_2\text{O} + 3 \text{ NADP}^+$

#### 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.