

fatty-acid synthase

Cat. No. EXWM-2266

Lot. No. (See product label)

Introduction

Description

The animal enzyme is a multi-functional protein catalysing the reactions of EC 2.3.1.38 [acyl-carrier-protein] S-acetyltransferase, EC 2.3.1.39 [acyl-carrier-protein] S-malonyltransferase, EC 2.3.1.41 3-oxoacyl-[acyl-carrier-protein] synthase, EC 1.1.1.100 3-oxoacyl-[acyl-carrier-protein] reductase, EC 4.2.1.59 3-hydroxyacyl-[acyl-carrier-protein] dehydratase, EC 1.3.1.39 enoyl-[acyl-carrier-protein] reductase (NADPH, Re-specific) and EC 3.1.2.14 oleoyl-[acyl-carrier-protein] hydrolase. cf. EC 2.3.1.86, fatty-acyl-CoA synthase.

Synonyms

FASN (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.3.1.85

CAS No.

9045-77-6

Reaction

acetyl-CoA + n malonyl-CoA + 2n NADPH + 2n H⁺ = a long-chain fatty acid + (n+1) CoA + n CO₂ + 2n 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.