Creative Enzymes®

[acyl-carrier-protein] S-acetyltransferase

Cat. No. EXWM-2216

Lot. No. (See product label)

Introduction

Description	This enzyme, along with EC 2.3.1.39, [acyl-carrier-protein] S-malonyltransferase, is essential for the initiation of fatty-acid biosynthesis in bacteria. The substrate acetyl-CoA protects the enzyme against inhibition by N-ethylmaleimide or iodoacetamide. This is one of the activities associated with β-ketoacyl-ACP synthase III (EC 2.3.1.180).
Synonyms	acetyl coenzyme A-acyl-carrier-protein transacylase; [acyl-carrier-protein]acetyltransferase; [ACP]acetyltransferase; ACAT; acetyl-CoA:[acyl-carrier-protein] S-acetyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.38
CAS No.	37257-16-2
Reaction	acetyl-CoA + an [acyl-carrier protein] = CoA + an acetyl-[acyl-carrier protein]
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 ℃.