Creative Enzymes®

malonyl-[acyl-carrier protein] O-methyltransferase

Cat. No. EXWM-1796

Lot. No. (See product label)

Introduction

Description	Involved in an early step of biotin biosynthesis in Gram-negative bacteria. This enzyme catalyses the transfer of a methyl group to the ω-carboxyl group of malonyl-[acyl-carrier protein] forming a methyl ester. The methyl ester is recognized by the fatty acid synthetic enzymes, which process it via the fatty acid elongation cycle to give pimelyl-[acyl-carrier-protein] methyl ester. While the enzyme can also accept malonyl-CoA, it has a much higher activity with malonyl-[acyl-carrier protein]
Synonyms	BioC

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.197
Reaction	S-adenosyl-L-methionine + malonyl-[acyl-carrier protein] = S-adenosyl-L-homocysteine + malonyl-[acyl-carrier protein] methyl ester
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 ℃.