Creative Enzymes®

pimelyl-[acyl-carrier protein] methyl ester esterase

Cat. No. EXWM-3514

Lot. No. (See product label)

Introduction

Description	Involved in biotin biosynthesis in Gram-negative bacteria. The enzyme exhibits carboxylesterase activity, particularly toward substrates with short acyl chains. Even though the enzyme can interact with coenzyme A thioesters, the in vivo role of the enzyme is to hydrolyse the methyl ester of pimeloyl-[acyl carrier protein], terminating the part of the biotin biosynthesis pathway that is catalysed by the fatty acid elongation enzymes.
Synonyms	BioH

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.1.1.85
Reaction	pimeloyl-[acyl-carrier protein] methyl ester + H2O = pimeloyl-[acyl-carrier protein] + methanol
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 ℃.