Creative Enzymes®

acyl-[acyl-carrier-protein]-UDP-N-acetylglucosamine O-acyltransferase

Cat. No. EXWM-2066

Lot. No. (See product label)

Introduction

Description	Involved with EC 2.4.1.182 (lipid-A-disaccharide synthase) and EC 2.7.1.130 (tetraacyldisaccharide 4'-kinase) in the biosynthesis of the phosphorylated glycolipid, Lipid A, in the outer membrane of Escherichia coli.
Synonyms	UDP-N-acetylglucosamine acyltransferase; uridine diphosphoacetylglucosamine acyltransferase; acyl-[acyl-carrier-protein]-UDP-N-acetylglucosamine O-acyltransferase; (R)-3-hydroxytetradecanoyl-[acyl-carrier-protein]:UDP-N-acetylglucosamine 3-O-(3-hydroxytetradecanoyl)transferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.129
CAS No.	105843-69-4
Reaction	(R)-3-hydroxytetradecanoyl-[acyl-carrier protein] + UDP-N-acetyl-α-D-glucosamine = an [acyl-carrier protein] + UDP-3-O-[(3R)-3-hydroxytetradecanoyl]-N-acetyl-α-D-glucosamine
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 ℃.