Creative Enzymes®

lipid-A-disaccharide synthase

Cat. No. EXWM-2408

Lot. No. (See product label)

Introduction

Description	Involved with EC 2.3.1.129 (acyl-[acyl-carrier-protein]-UDP-N-acetylglucosamine O-acyltransferase) 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-2,3-bis(3-hydroxytetradecanoyl)glucosamine:2,3-bis-(3-hydroxytetradecanoyl)-β-D-glucosaminyl-1-phosphate 2,3-bis(3-hydroxytetradecanoyl)-glucosaminyltransferase (incorrect)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.182
CAS No.	105843-81-0
Reaction	UDP-2-N,3-O-bis[(3R)-3-hydroxytetradecanoyl]-α-D-glucosamine + 2-N,3-O-bis[(3R)-3-hydroxytetradecanoyl]-α-D-glucosaminyl 1-phosphate = UDP + 2-N,3-O-bis[(3R)-3-hydroxytetradecanoyl]-β-D-glucosaminyl-(1→6)-2-N,3-O-bis[(3R)-3-hydroxytetradecanoyl]-α-D-glucosaminyl 1-phosphate
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 ℃.