Creative Enzymes®

tetraacyldisaccharide 4'-kinase

Cat. No. EXWM-2965

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 2.4.1.182 (lipid-A-disaccharide synthase) in the biosynthesis of the phosphorylated glycolipid, lipid A, in the outer membrane of Escherichia coli.
Synonyms	lipid-A 4'-kinase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.1.130
CAS No.	107309-06-8
Reaction	ATP + {2-N,3-O-bis[(3R)-3-hydroxytetradecanoyl]-β-D-glucosaminyl}-(1→6)-{2-N,3-O-bis[(3R)-3-hydroxytetradecanoyl]-α-D-glucosaminyl phosphate} = ADP + {2-N,3-O-bis[(3R)-3-hydroxytetradecanoyl]-4-O-phospho-β-D-glucosaminyl}-(1→6)-{2-N,3-O-bis[(3R)-3-hydroxytetradecanoyl]-α-D-glucosaminyl 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 ℃.