Creative Enzymes®

glycerol-3-phosphate 2-O-acyltransferase

Cat. No. EXWM-2141

Lot. No. (See product label)

Introduction

Description	A membrane-associated enzyme required for suberin or cutin synthesis in plants. Active with a wide range of acyl-CoA substrates (C16:0-C24:0). The enzyme from some sources has much higher activity with ω-oxidized acyl-CoAs. Some enzymes are bifunctional and have an additional phosphatase activity producing sn-2-monoacylglycerols.
Synonyms	sn-2-glycerol-3-phosphate O-acyltransferase; glycerol-3-phosphate O-acyltransferase (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.198
Reaction	an acyl-CoA + sn-glycerol 3-phosphate = CoA + a 2-acyl-sn-glycerol 3-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 ℃.