Creative Enzymes®

cyclopropane-fatty-acyl-phospholipid synthase

Cat. No. EXWM-1980

Lot. No. (See product label)

Introduction

Description	The enzyme adds a methylene group across the 9,10 position of a Δ9-olefinic acyl chain in phosphatidylethanolamine or, more slowly, phosphatidylglycerol or phosphatidylinositol, forming a cyclopropane derivative (cf. EC 2.1.1.16 methylene-fatty-acyl-phospholipid synthase).
Synonyms	cyclopropane synthetase; unsaturated-phospholipid methyltransferase; cyclopropane synthase; cyclopropane fatty acid synthase; cyclopropane fatty acid synthetase; CFA synthase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.79
CAS No.	51845-48-8
Reaction	S-adenosyl-L-methionine + phospholipid olefinic fatty acid = S-adenosyl-L-homocysteine + phospholipid cyclopropane fatty acid
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 ℃.