

D-alanine-poly(phosphoribitol) ligase

Cat. No. EXWM-5644

Lot. No. (See product label)

Introduction

Description A thioester bond is formed transiently between D-alanine and the sulfhydryl group of the 4'-phosphopantetheine prosthetic group of D-alanyl carrier protein during the activation of the alanine. Involved in the synthesis of teichoic acids.

Synonyms D-alanyl-poly(phosphoribitol) synthetase; D-alanine: membrane acceptor ligase; D-alanine-D-alanyl carrier protein ligase; D-alanine-membrane acceptor ligase; D-alanine-activating enzyme

Product Information

Form Liquid or lyophilized powder

EC Number EC 6.1.1.13

CAS No. 9023-65-8

Reaction $\text{ATP} + \text{D-alanine} + \text{poly(ribitol phosphate)} = \text{AMP} + \text{diphosphate} + \text{O-D-alanyl-poly(ribitol phosphate)}$

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.