Creative Enzymes®

all-trans-nonaprenyl-diphosphate synthase [geranyl-diphosphate specific]

Cat. No. EXWM-2822

Lot. No. (See product label)

Introduction

Description	(2E,6E)-Farnesyl diphosphate and geranylgeranyl diphosphate are less effective as substrates than geranyl diphosphate. The enzyme is involved in the synthesis of the side chain of menaquinone-9. In Oryza sativa the enzyme SPS2 is involved in providing solanesyl diphosphate for plastoquinone-9 formation.
Synonyms	nonaprenyl diphosphate synthase (ambiguous); solanesyl diphosphate synthase (ambiguous); SolPP synthase (ambiguous); SPP-synthase (ambiguous); SPP synthase (ambiguous); solanesyl-diphosphate synthase (ambiguous); OsSPS2

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.84
Reaction	geranyl diphosphate + 7 isopentenyl diphosphate = 7 diphosphate + all-trans-nonaprenyl diphosphate
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 ℃.