Creative Enzymes®

halimadienyl-diphosphate synthase

Cat. No. EXWM-5617

Lot. No. (See product label)

Introduction

Description	Requires Mg2+ for activity. This enzyme is found in pathogenic prokaryotes such as Mycobacterium tuberculosis but not in non-pathogens such as Mycobacterium smegmatis so may play a role in pathogenicity. The product of the reaction is subsequently dephosphorylated yielding tuberculosinol (halima-5,13-dien-15-ol).
Synonyms	Rv3377c; halimadienyl diphosphate synthase; tuberculosinol diphosphate synthase; halima-5(6),13-dien-15-yl-diphosphate lyase (cyclizing); halima-5,13-dien-15-yl-diphosphate lyase (decyclizing)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 5.5.1.16
Reaction	geranylgeranyl diphosphate = tuberculosinyl 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 ℃.