Creative Enzymes®

pentamethylcyclopentadecatrienol synthase

Cat. No. EXWM-5166

Lot. No. (See product label)

Introduction

Description	Requires Mg2+. Isolated from the bacterium Streptomyces sp. SANK 60404. This trifunctional enzyme, which contains a [4Fe-4S] cluster, also produces (R)-nephthenol and (R)-cembrene A. See EC 4.2.3.150, cembrene A synthase and EC 4.2.3.149, nephthenol synthase.
Synonyms	DtcycB (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.3.151
Reaction	geranylgeranyl diphosphate + H2O = (1S,4E,8E,12E)-2,2,5,9,13-pentamethylcyclopentadeca-4,8,12-trien-1-ol + 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 ℃.