Creative Enzymes®

α-guaiene synthase

Cat. No. EXWM-5250

Lot. No. (See product label)

Introduction

Description	Requires Mg2+. The enzyme from Pogostemon cablin gives 13% α-guaiene as well as 37% (-)-patchoulol (see EC 4.2.3.70), 13% Δ-guaiene (see EC 4.2.3.93), and traces of at least ten other sesquiterpenoids. In Aquilaria crassna three clones of the enzyme gave about 80% Δ-guaiene and 20% α-guaiene, with traces of α-humulene. A fourth clone gave 54% Δ-guaiene and 45% α-guaiene.
Synonyms	PatTps177 (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.3.87
Reaction	(2E,6E)-farnesyl diphosphate = α-guaiene + 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 ℃.