

ferruginol synthase

Cat. No. EXWM-0790

Lot. No. (See product label)

Introduction

Description

The enzyme is found in some members of the Lamiaceae (mint family). The enzyme from *Rosmarinus officinalis* (rosemary) is involved in biosynthesis of carnosic acid, while the enzyme from the Chinese medicinal herb *Salvia miltiorrhiza* is involved in the biosynthesis of the tanshinones, abietane-type norditerpenoid naphthoquinones that are the main lipophilic bioactive components found in the plant.

Synonyms

miltiradiene oxidase (incorrect); CYP76AH1; miltiradiene,NADPH:oxygen oxidoreductase (ferruginol forming) (incorrect)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.190

Reaction

abieta-8,11,13-triene + NADPH + H⁺ + O₂ = ferruginol + NADP⁺ + H₂O

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.