

## 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**  $\text{abieta-8,11,13-triene} + \text{NADPH} + \text{H}^+ + \text{O}_2 = \text{ferruginol} + \text{NADP}^+ + \text{H}_2\text{O}$

**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.