

## geraniol 8-hydroxylase

Cat. No. EXWM-0752

Lot. No. (See product label)

### Introduction

#### Description

Requires cytochrome P-450. Also hydroxylates nerol and citronellol, cf. EC 1.14.13.151 linalool 8-monooxygenase. The recommended numbering of geraniol gives 8-hydroxygeraniol as the product rather than 10-hydroxygeraniol as used by references 1-3. See prenol nomenclature Pr-1. The cloned enzyme also catalysed, but less efficiently, the 3'-hydroxylation of naringenin (cf. EC 1.14.13.21, flavonoid 3'-monooxygenase).

#### Synonyms

CYP76B6; G10H; CrG10H; SmG10H

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.13.152

#### Reaction

geraniol + NADPH + H<sup>+</sup> + O<sub>2</sub> = (6E)-8-hydroxygeraniol + NADP<sup>+</sup> + H<sub>2</sub>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.