

## 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.