

## (R)-limonene 6-monooxygenase

Cat. No. EXWM-0888

Lot. No. (See product label)

### Introduction

#### Description

The reaction is stereospecific with over 95% yield of (+)-trans-carveol from (R)-limonene. (S)-Limonene, the substrate for EC 1.14.13.48, (S)-limonene 6-monooxygenase, is not a substrate. Forms part of the carvone biosynthesis pathway in *Carum carvi* (caraway) seeds.

#### Synonyms

(+)-limonene-6-hydroxylase; (+)-limonene 6-monooxygenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.14.13.80

#### CAS No.

221461-49-0

#### Reaction

(R)-limonene + NADPH + H<sup>+</sup> + O<sub>2</sub> = (+)-trans-carveol + 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.