

## limonene-1,2-diol dehydrogenase

Cat. No. EXWM-0206

Lot. No. (See product label)

### Introduction

#### Description

While the enzyme from the Gram-positive bacterium *Rhodococcus erythropolis* DCL14 can use both (1S,2S,4R)- and (1R,2R,4S)-menth-8-ene-1,2-diol as substrate, activity is higher with (1S,2S,4R)-menth-8-ene-1,2-diol as substrate.

#### Synonyms

NAD<sup>+</sup>-dependent limonene-1,2-diol dehydrogenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.297

#### Reaction

menth-8-ene-1,2-diol + NAD<sup>+</sup> = 1-hydroxymenth-8-en-2-one + NADH + H<sup>+</sup> (general reaction); (1) (1S,2S,4R)-menth-8-ene-1,2-diol + NAD<sup>+</sup> = (1S,4R)-1-hydroxymenth-8-en-2-one + NADH + H<sup>+</sup>; (2) (1R,2R,4S)-menth-8-ene-1,2-diol + NAD<sup>+</sup> = (1R,4S)-1-hydroxymenth-8-en-2-one + NADH + H<sup>+</sup>

#### 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.