

## (S)-usnate reductase

Cat. No. EXWM-0102

Lot. No. (See product label)

### Introduction

#### Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD<sup>+</sup> or NADP<sup>+</sup> as acceptor. The systematic name of this enzyme class is reduced-(S)-usnate:NAD<sup>+</sup> oxidoreductase (ether-bond-forming). This enzyme is also called L-usnic acid dehydrogenase.

#### Synonyms

L-usnic acid dehydrogenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.199

#### CAS No.

77237-99-1

#### Reaction

(6R)-2-acetyl-6-(3-acetyl-2,4,6-trihydroxy-5-methylphenyl)-3-hydroxy-6-methyl-2,4-cyclohexadien-1-one + NAD<sup>+</sup> = (S)-usnate + 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.