

## (+)-pinoresinol reductase

Cat. No. EXWM-1265

Lot. No. (See product label)

### Introduction

#### Description

The reaction is catalysed in vivo in the opposite direction to that shown. A multifunctional enzyme that further reduces the product to the lignan (-)-secoisolariciresinol [EC 1.23.1.2, (+)-lariciresinol reductase]. Isolated from the plants Forsythia intermedia, Thuja plicata (western red cedar), Linum perenne (perennial flax) and Linum corymbulosum. The 4-pro-R hydrogen of NADH is transferred to the 7-pro-R position of lariciresinol.

#### Synonyms

pinoresinol/lariciresinol reductase; pinoresinol-lariciresinol reductases; (+)-pinoresinol/(+)-lariciresinol; (+)-pinoresinol-(+)-lariciresinol reductase; PLR

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.23.1.1

#### Reaction

(+)-lariciresinol + NADP+ = (+)-pinoresinol + NADPH + H+

#### 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.