

(-)-pinoresinol reductase

Cat. No. EXWM-1267

Lot. No. (See product label)

Introduction

Description

The reaction is catalysed in vivo in the opposite direction to that shown. A multifunctional enzyme that usually further reduces the product to (+)-secoisolariciresinol [EC 1.23.1.4, (-)-lariciresinol reductase]. Isolated from the plants *Thuja plicata* (western red cedar), *Linum perenne* (perennial flax) and *Arabidopsis thaliana* (thale cress).

Synonyms

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

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.23.1.3

Reaction

$(-)\text{-lariciresinol} + \text{NADP}^+ = (-)\text{-pinoresinol} + \text{NADPH} + \text{H}^+$

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.