Creative Enzymes®

(+)-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.