

vestitone reductase

Cat. No. EXWM-0263

Lot. No. (See product label)

Introduction

Description

This plant enzyme catalyses the penultimate step in the biosynthesis of the pterocarpin phytoalexins medicarpin and maackiain. This activity was previously classified as part of EC 1.1.1.246, pterocarpin synthase, which is now known to be catalysed by two enzymes, vestitone reductase and EC 4.2.1.139, medicarpin synthase.

Synonyms

pterocarpin synthase (incorrect); pterocarpan synthase (incorrect)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.348

CAS No.

118477-70-6

Reaction

$(3R,4R)\text{-}4'\text{-methoxyisoflavan-}2',4,7\text{-triol} + \text{NADP}^+ = (3R)\text{-vestitone} + \text{NADPH} + \text{H}^+$

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.