

Native Orange peel Pectinesterase

Cat. No. NATE-0537

Lot. No. (See product label)

Introduction

Description

Pectinesterase catalyzes the hydrolysis of the methyl esters of pectin to yield pectate and methanol.

Applications

Pectinesterase is used to hydrolyze methyl esters of pectin to pectate and methanol. It contains pectin methylesterase and pectin pectylhydrolase. This product is from orange peel and comes as a lyophilized powder. It contains (NH₄)₂SO₄ and sodium chloride. It has been used to study the pectin methylesterase gene. The enzyme from Creative Enzymes has been used as a standard during the measurement of pectin methylesterase activity in sea buckthorn juices. It has been used in the hydrolysis of cell wall pectins while studying phyllotaxis in Arabidopsis. It has also been used to catalyze pectin hydrolysis (using an ultrasonic measurement device) for monitoring biological processes.

Synonyms

Pectinesterase; EC 3.1.1.11; pectin demethoxylase; pectin methoxylase; pectin methylesterase; pectase; pectin methyl esterase; pectinoesterase; pectin pectylhydrolase; 9025-98-3

Product Information

Source

Orange peel

Form

lyophilized powder; Contains (NH₄)₂SO₄ and sodium chloride

EC Number

EC 3.1.1.11

CAS No.

9025-98-3

Activity

> 150 units/mg protein

Unit Definition

One unit will release 1.0 microequivalent of acid from pectin per min at pH 7.5 at 30°C.

Storage and Shipping Information

Storage

2-8°C