Creative Enzymes®

Native Thermomicrobia sp. Hesperidinase (Rhamnosidase B)

Cat. No. NATE-0341

Lot. No. (See product label)

Introduction

Description	A Thermostable α-L-rhamnosidase that catalyzes the cleavage of the bond between terminal L (+)-rhamnose and the aglycone of rhamnose-containing glycosides. The enzyme is also very active on naringin. L-Rhamnose or its derivatives is a suitable chiral structural component and can be used for the synthesis of pharmaceutical products, plant protection agents and the preparation of fragrances in the foodstuffs and perfume industries.
Synonyms	Hesperidinase; α-L-rhamnosidase T; α-L-rhamnosidase N; α-L-rhamnosidase

Product Information

Source	Thermomicrobia sp.
Optimum temperature	The enzyme in relatively active in a rather broad temperature range (45-75°C)with optimum around 65°C
Specificity	Hydrolysis of terminal non-reducing α-L-rhamnose residues in α-L-rhamnosides, Naringin, Hesperdin and Rutin.
Unit Definition	One unit (U) of enzyme activity is the amount that leads to the release of 1 μmol of p-nitro-phenyl-α-L-rhamnopyranoside (pnpR) per minute.