

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 is 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 μ mol of p-nitro-phenyl- α -L-rhamnopyranoside (pnpR) per minute.