Creative Enzymes®

Native Chaetomium erraticum Dextranase

Cat. No. NATE-0182

Lot. No. (See product label)

Introduction

Description	An endodextranase that hydrolyzes-(1,6)-glucosidic linkages in dextran. Dextrans are undesirable compounds synthesized from sucrose by microbial contaminants during sugar production that increase viscosity of the flow and decrease industrial recovery. Dextranase has been used for hydrolyzing dextran at sugar mills in order to improve efficiency of sugar production.
Applications	Dextranase from Chaetomium erraticum has been used in a study to investigate the optimization of process conditions for enzymatic modification of alternan. Dextranase from Chaetomium erraticum has also been used in a study to investigate the immobilization of dextranase from Chaetomium erraticum.
Synonyms	EC 3.2.1.11, dextran hydrolase; endodextranase; dextranase DL 2; DL 2; endo-dextranase; α-D-1,6-glucan-6-glucanohydrolase; 1,6-α-D-glucan 6-glucanohydrolase; 9025-70-1; Dextranase

Product Information

Source	Chaetomium erraticum
Form	solution.
EC Number	EC 3.2.1.11
CAS No.	9025-70-1
Specificity	Stable in the pH range of 3-7 and at temperatures up to approx. 70°C. For most applications, the preferred conditions are pH 5-6 and a temperature of 50-60°C.

Storage and Shipping Information

Storage	2-8°C