Creative Enzymes®

Native Aspergillus niger Amyloglucosidase

Cat. No. NATE-0075

Lot. No. (See product label)

Introduction

Description	Glucan 1,4-alpha-glucosidase is an enzyme located on the brush border of the small intestine with system name 4-alpha-D-glucan glucohydrolase. This enzyme catalyses the following chemical reaction:Hydrolysis0 of terminal (1->4)-linked alpha-D-glucose residues successively from non-reducing ends of the chains with release of beta-D-glucose. Most forms of the enzyme can rapidly hydrolyse 1,6-alpha-D-glucosidic bonds when the next bond in the sequence is 1,4.
Applications	Amyloglucosidase from Aspergillus niger is used to hydrolyze α-D-glucosides. It may be used in the brewing of beer and in the production of bread and juices. Amyloglucosidase has been used to hydrolyze glycogen into glucose monomers in order to study lipid accumulation in skeletal muscle.
Synonyms	glucoamylase; amyloglucosidase; γ-amylase; lysosomal α-glucosidase; acid maltase; exo-1,4-α-glucosidase; glucose amylase; γ-1,4-glucan glucohydrolase; acid maltase; 1,4-α-D-glucan glucohydrolase; EC 3.2.1.3; 9032-08-0

Product Information

Source	Aspergillus niger
Form	aqueous solution
EC Number	EC 3.2.1.3
CAS No.	9032-08-0
Activity	> 300 U/mL
Concentration	~1.2 g/mL at 25°C