

1,3- α -oligoglucan phosphorylase

Cat. No. EXWM-2572

Lot. No. (See product label)

Introduction

Description

The enzyme, isolated from the bacterium *Clostridium phytofermentans*, catalyses a reversible reaction. Substrates for the phosphorolytic reaction are α -1,3-linked oligoglucans with a polymerisation degree of 3 or more. Nigerose (i.e. 3-O- α -D-glucopyranosyl-D-glucopyranose) is not phosphorylyzed but can serve as substrate in the reverse direction (cf. EC 2.4.1.279, nigerose phosphorylase).

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.4.1.334

Reaction

$[(1\rightarrow3)\text{-}\alpha\text{-D-glucosyl}]_n + \text{phosphate} = [(1\rightarrow3)\text{-}\alpha\text{-D-glucosyl}]_{n-1} + \beta\text{-D-glucose 1-phosphate}$

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.