

β-agarase

Cat. No. EXWM-3945

Lot. No. (See product label)

Introduction

Description

Also acts on porphyran, but more slowly. This enzyme cleaves the β-(1→4) linkages of agarose in a random manner with retention of the anomeric-bond configuration, producing β-anomers that give rise progressively to α-anomers when mutarotation takes place. The end products of hydrolysis are neoagarotetraose and neoagarohexaose in the case of AgaA from the marine bacterium *Zobellia galactanivorans*, and neoagarotetraose and neoagarobiose in the case of AgaB.

Synonyms

agarase (ambiguous); AgaA; AgaB; endo-β-agarase; agarose 3-glycanohydrolase (incorrect)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.2.1.81

CAS No.

37288-57-6

Reaction

Hydrolysis of (1→4)-β-D-galactosidic linkages in agarose, giving the tetramer as the predominant product

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.