

α -neoagaro-oligosaccharide hydrolase

Cat. No. EXWM-3842

Lot. No. (See product label)

Introduction

Description

When neoagarohexaose is used as a substrate, the oligosaccharide is cleaved at the non-reducing end to produce 3,6-anhydro-L-galactose and agaropentaose, which is further hydrolysed to agarobiose and agarotriose. With neoagarotetraose as substrate, the products are predominantly agarotriose and 3,6-anhydro-L-galactose. In *Vibrio* sp. the actions of EC 3.2.1.81, β -agarase and EC 3.2.1.159 can be used to degrade agarose to 3,6-anhydro-L-galactose and D-galactose.

Synonyms

α -neoagarooligosaccharide hydrolase; α -NAOS hydrolase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.2.1.159

CAS No.

60063-77-6

Reaction

Hydrolysis of the (1 \rightarrow 3)- α -L-galactosidic linkages of neoagaro-oligosaccharides that are smaller than a hexamer, yielding 3,6-anhydro-L-galactose and D-galactose

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.