Creative Enzymes®

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→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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.