

Title (en)

ENZYMATIC PRODUCTION OF LEVAN-BASED, PREBIOTIC FRUCTOOLIGOSACCHARIDES

Title (de)

ENZYMATISCHE HERSTELLUNG VON LEVAN-BASIERTEN, PRÄBIOTISCHEN FRUCTOOLIGOSACCHARIDEN

Title (fr)

PRODUCTION ENZYMATIQUE DE FRUCTO-OLIGOSACCHARIDES PRÉBIOTIQUES À BASE DE LÉVANE

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Application

EP 20734888 A 20200623

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- EP 2020067447 W 20200623

Abstract (en)

[origin: EP3757209A1] The present invention relates to a method for preparing (levan-based) fructooligosaccharides (FOS) using at least one (genetically modified) host organism. Through the production of a levansucrase and an endolevanase in the host organism, the enzymes can be used to convert the substrate sucrose into FOS. Additionally, the invention is directed to fructooligosaccharides obtainable by the method according to the invention; a specific expression vector, a specific genetically modified host organism, and a specific cell extract or culture supernatant, which are usable for the production of FOS; and a prebiotic or food supplement comprising or consisting of the FOS. Finally, the invention relates to a method for preparing levan using a levansucrase.

IPC 8 full level

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