

Title (en)  
PROCESS FOR PRODUCING CONJUGATED LINOLENIC ACID FROM LINOLENIC ACID EMPLOYING BIFIDOBACTERIUM BREVE,  
BIFIDOBACTERIUM BIFIDUM, OR LACTOBACILLUS ORIS STRAINS

Title (de)  
VERFAHREN ZUR HERSTELLUNG KONJUGierter LINOLENSÄURE AUS LINOLENSÄURE MIT BIFIDOBACTERIUM BREVE-,  
BIFIDOBACTERIUM BIFIDUM- ODER LACTOBACILLUS ORIS-STÄMMEN

Title (fr)  
PROCÉDÉ MICROBIOLOGIQUE POUR L'OBTENTION D'UN ACIDE LINOLÉNIQUE CONJUGUÉ À PARTIR DE L'ACIDE LINOLÉNIQUE, ET  
DES SOUCHES BACTÉRIENNES POUR LA MISE EN UVRE DU PROCÉDÉ

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Application  
**EP 13817928 A 20131220**

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Abstract (en)  
[origin: EP2746398A1] Method for preparing isomers of conjugated linolenic acid (CLNA) from linolenic acid (LNA) in a medium comprising at least the fat portion contained in a milk-based product or composition, in which at least one strain of a lactic acid bacteria or a bifidobacteria selected from the species of the group consisting of Bifidobacterium breve, Bifidobacterium bifidum and Lactobacillus oris is used. The invention also includes particular strains of all these species that allow performing the method in with high yields and conversion rates, as well as food products, nutritional compositions and pharmaceutical compositions containing them which are useful as anti-obesity agents and as immunomodulator agents.

IPC 8 full level  
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Citation (examination)  
• HENNESSY, A.A. ET AL.: "The Production of Conjugated alpha-Linolenic, gamma-Linolenic and Stearidonic Acids by Strains of Bifidobacteria and Propionibacteria", LIPIDS, vol. 47, no. 3, 10 December 2011 (2011-12-10), pages 313 - 327, XP035017377, DOI: 10.1007/S11745-011-3636-Z  
• GORISSEN, L. ET AL.: "Production of conjugated linoleic acid and conjugated linolenic acid isomers by Bifidobacterium species", APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol. 87, no. 6, 17 June 2010 (2010-06-17), pages 2257 - 2266, XP019841711

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