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(71) Applicants (for all designated States except US):

KATHOLIEKE UNIVERSITEIT LEUVEN, K.U.
LEUVEN R&D [BE/BE]; Minderbroedersstraat 8a - bus
5105, B-3000 Leuven (BE). LYSANDO HOLDING AG
[LI/LI]; Wangerberg 688, FL-9497 Triesenberg (LI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LAVIGNE, Rob
[BE/BE]; Grasbloemstraat 18, B-2170 Merksem (BE).
MILLER, Stefan [DE/DE]; Roggenweg 11, 93055 Re-
gensburg (DE). BRIERS, Yves [BE/CH]; Haupstrasse
50A, CH-5032 Rohr AG (CH). VOLCKAERT, Guido
[BE/BE]; Geestmolenstraat 24, B-3220 Holsbeek (BE).

(74) Agent: DEHMEL, Albrecht; Herzogspitalstr. 11, 80331
München (DE).

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(54) Title: ANTIMICROBIAL AGENTS

(57) Abstract: The present invention relates to antimicrobial agents against Gram-negative bacteria, in particular to fusion proteins composed of an enzyme having the activity of degrading the cell wall of Gram-negative bacteria and a peptide stretch fused to the enzyme at the N- or C- terminus. Moreover, the present invention relates to nucleic acid molecules encoding said fusion protein, vectors comprising said nucleic acid molecules and host cells comprising either said nucleic acid molecules or said vectors. In addition, the present invention relates to said fusion protein for use as a medicament, in particular for the treatment or prevention of Gram-negative bacterial infections, as diagnostic means or as cosmetic substance. The present invention also relates to the treatment or prevention of Gram-negative bacterial contamination of foodstuff, of food processing equipment, of food processing plants, of surfaces coming into contact with foodstuff, of medical devices, of surfaces in hospitals and surgeries. Furthermore, the present invention relates to a pharmaceutical composition comprising said fusion protein.



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