

Title (en)
MICROBIOME OPTIMIZATION

Title (de)
MIKROBIOMOPTIMIERUNG

Title (fr)
OPTIMISATION DU MICROBIOME

Publication
EP 4081664 A4 20240110 (EN)

Application
EP 20905639 A 20201219

Priority

- US 201962953068 P 20191223
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- US 202063075132 P 20200905
- US 2020066269 W 20201219

Abstract (en)
[origin: WO2021133697A1] The present disclosure provides compositions and methods for acidic compositions for use in optimizing the genital microbiome of a user or sexual partners of that user. The compositions may comprise a prebiotic oligosaccharide, a metal co-factor, and an essential oil comprising bomyl acetate. The compositions support the genital microbiota and are useful for, for example, hydrating, lubricating, cleaning, and/or decreasing irritation or inflammation of the urogenital and/or anogenital region of a subject, and/or enhancing the beneficial genital microbiota of a subject. Such compositions are useful before, during, and/or after sexual and/or reproductive activity. Furthermore, the compositions may have minimal or beneficial effect on gametes.

IPC 8 full level

A61K 31/045 (2006.01); **A61K 31/7016** (2006.01); **A61K 33/32** (2006.01); **A61K 47/14** (2017.01); **A61P 15/00** (2006.01); **C12Q 1/6883** (2018.01); **C12Q 1/689** (2018.01); **G16H 10/40** (2018.01); **G16H 20/10** (2018.01); **G16H 20/13** (2018.01); **G16H 40/63** (2018.01); **G16H 40/67** (2018.01); **G16H 50/20** (2018.01); **G16H 50/30** (2018.01)

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Citation (search report)

- [XP] WO 2020123559 A1 20200618 - GLYCIOME LLC [US]
- [Y] WO 2018013583 A2 20180118 - BRIGHAM & WOMENS HOSPITAL INC [US]
- [Y] ROUSSEAU V ET AL: "Prebiotic effects of oligosaccharides on selected vaginal lactobacilli and pathogenic microorganisms", ANAEROBE, ELSEVIER, AMSTERDAM, NL, vol. 11, no. 3, 1 June 2005 (2005-06-01), pages 145 - 153, XP004807462, ISSN: 1075-9964, DOI: 10.1016/j.anabro.2004.12.002
- [YD] YANG LIN ET AL: "Bornyl acetate suppresses ox-LDL-induced attachment of THP-1 monocytes to endothelial cells", BIOMEDICINE & PHARMACOTHERAPY, vol. 103, 1 July 2018 (2018-07-01), FR, pages 234 - 239, XP093106343, ISSN: 0753-3322, DOI: 10.1016/j.biopha.2018.03.152
- [Y] IMBERT MARLÈNE ET AL: "On the Iron Requirement of Lactobacilli Grown in Chemically Defined Medium", CURRENT MICROBIOLOGY, vol. 37, no. 1, 1 July 1998 (1998-07-01), New York, pages 64 - 66, XP093106353, ISSN: 0343-8651, DOI: 10.1007/s002849900339
- See references of WO 2021133697A1

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