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CHLORHEXIDINE COMPOSITIONS AND METHODS FOR THEIR SYNTHESIS AND USE

TECH FIELD(S)

Pharmaceutical Formulation, Dental Care, Chemistry

FEATURES

The present invention relates to new methods for producing alcohol-free oral antibacterial compositions containing chlorhexidine with improved taste and no reduction in efficacy as seen in other flavored compositions. The presence of alcohol in oral antibacterial compositions of chlorhexidine is problematic in patients with xerostomia as its further drying effects tend to exacerbate the symptoms. The invention also provides methods for making hydrocolloidal compositions of chlorhexidine with sweetening and/or flavoring agents that do not reduce the antibacterial activity of the chlorhexidine.

BENEFITS

Compositions of the invention may lead to increased usage and compliance among patients, particularly pediatric patients, due to improved flavoring. Also, the improved flavoring does not compromise the efficacy of the formulation as it does with other currently available flavored products. Finally, the lack of alcohol in the formulation would make compositions of the invention a better chose for xerostomia patients that are being treated for intraoral infections or dental caries, since alcohol can worsen the symptoms of xerostomia.

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INTELLECTUAL PROPERTY STATUS

U.S. Patent Application Filed.

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