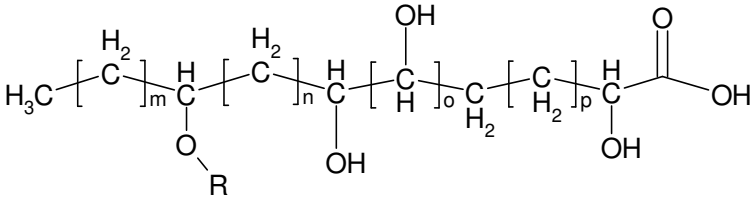
Patent claims:

1. An orally consumable water based product comprising

(i) a glycolipid component comprising at least one antimicrobial glycolipid according to general formula (I)



(I)

wherein

m is 3 to 5;

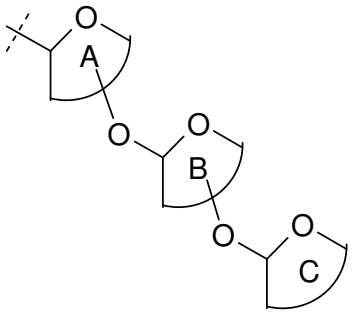
n is 2 to 5;

o is 0 or 1; and

p is 3 to 17;

with the proviso that the sum m + n + o + p is not less than 14; and

R is a moiety of the subformula



wherein the rings A, B and C are monosaccharide moieties each independently from the others with 5 or 6 ring members, wherein one or more of the hydroxyl groups may be acylated

and R is bound via one of its carbon atoms to the binding oxygen;

or an ester thereof in open chain form, wherein any of the hydroxyl groups of general formula (I) including any of the hydroxyl groups of the carbohydrate moiety R is intermolecularly esterified with a carboxylic acid;

and/or an ester thereof in form of a lactone intramolecularly formed between the terminal carboxylic acid group of general formula (I) with any of the hydroxyl groups of general formula (I) including any of the hydroxyl groups of the carbohydrate moiety R;

and/or a physiologically acceptable salt thereof; and

(ii) a formulation component comprising at least one formulation stabilizer selected from the group cyclodextrins and polysorbates

wherein the content of the glycolipid is within the range from 3 to 50 ppmw based on the total weight of the orally consumable water based product and the weight ratio of the formulation component to the glycolipid component is 10 : 1 to 2.5 :1.

2. The orally consumable water based product according to claim 1, wherein said at least one antimicrobial glycolipid according to general formula (I) is an ester in open chain form, wherein the carboxylic acid is a C_3-C_{10}-alkanoic acid.

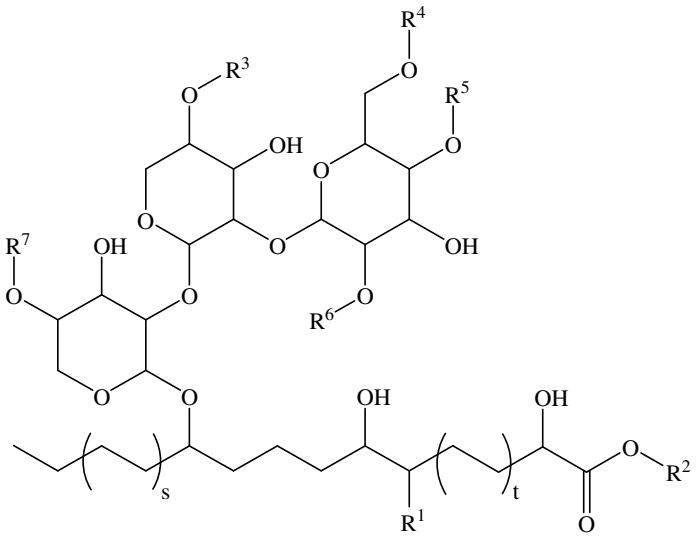
3. The orally consumable water based product according to claim 1, wherein the cyclodextrin is selected from alpha-cyclodextrin, beta-cyclodextrin, hydroxypropyl-beta-cyclodextrin and methyl-beta-cyclo-dextrin.

4. The orally consumable water based product according to claim 3, wherein the relative weight ratio of said cyclodextrin to said glycolipid component is within the range of from 5:1 to 2.5:1

5. The orally consumable water based product according to claim 1, wherein the polysorbate is selected from the group consisting of polysorbate 20, polysorbate 21, polysorbate 40, polysorbate 60, polysorbate 61, polysorbate 65, polysorbate 80, polysorbate 81, polysorbate 85, polysorbate 120, and a mixture of any of the foregoing.

6. The orally consumable water based product according to claim 1, wherein rings A and B are xylopyranose moieties and ring C is a glucopyranose moiety.

7. The orally consumable water based product according to any of the preceding claims, wherein the at least one antimicrobial glycolipid is according to general formula (II)



(II)

wherein

s is 1 or 2;

t is 6 or 7;

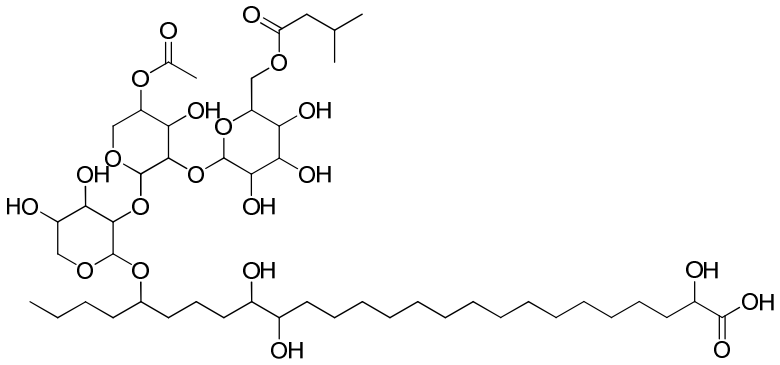
R^1 means -H or -OH;

R^2 means -H or -C_1-C_6-alkyl; and

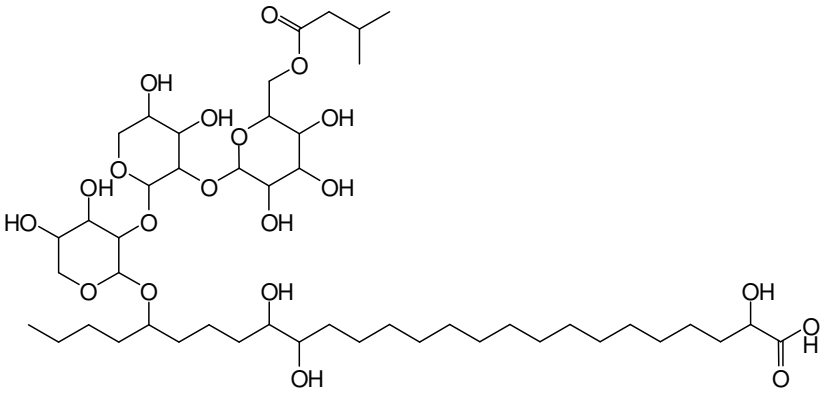
R^3, R^4, R^5, R^6 and R^7 independently of one another mean -H or -C(=O)C_1-C_6-alkyl.

8. The orally consumable water based product according to claim 7, wherein at least one of R^3, R^4, R^5, R^6 and R^7 means -C(=O)C_1-C_6-alkyl.

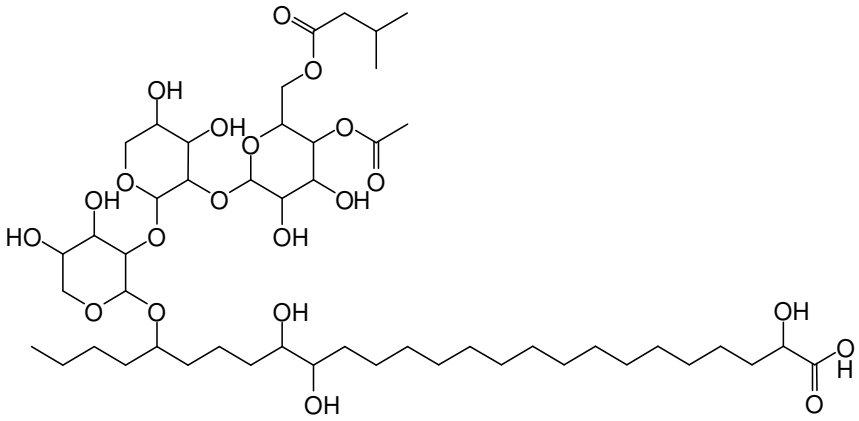
9. The orally consumable water based product according to any of the preceding claims, wherein the at least one antimicrobial glycolipid is selected from compounds (II-A) to (II-D)



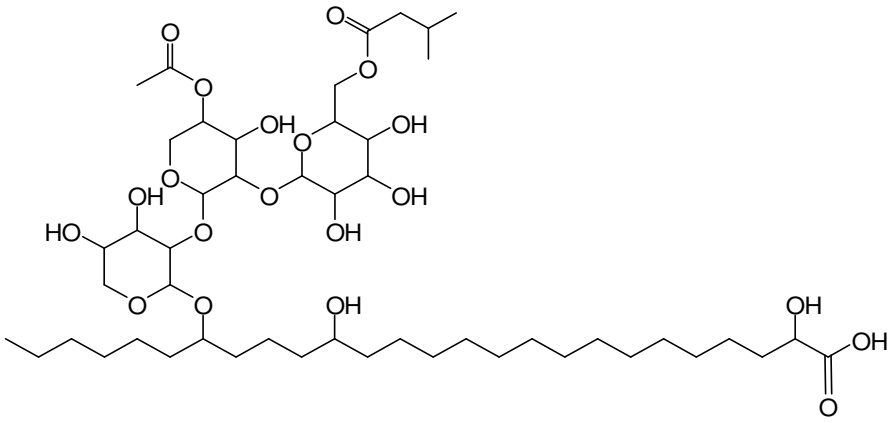
(II-A)



(II-B)



(II-C)



(II-D)

and the physiologically acceptable salts thereof and the mixtures thereof.

10. The orally consumable water based product according to claim 9, wherein

- the relative weight content of the first antimicrobial glycolipid according to general formula (II) is within the range of from 30 to 50 wt.-%;
- the relative weight content of the second antimicrobial glycolipid according to general formula (II) is within the range of from 20 to 50 wt.-%;
- the relative weight content of the third antimicrobial glycolipid according to general formula (II) is within the range of from 5 to 10 wt.-%;

relative to the total weight of all antimicrobial glycolipids that are comprised in the glycolipid component.