We Claim

1. A composition comprising a carrier, an antimicrobial agent and one compound selected from the group consisting of 3-(4'-Hydroxy-3'-methoxy-phenyl)-1-(2'-hydroxy-5'methoxy-phenyl)-prop-2-ene-1-one, 3-(4'-Hydroxy-3'-methoxy-phenyl)-1-phenyl-prop-2-ene-1-one, 3-(2", 3"-Dimethoxy-phenyl)-1-furan-2-yl-prop-2-ene-1-one, 3-(2", 5"-dimethoxy-phenyl)-1 -(1H-pyrrol-2-yl)-prop-2-ene-1-one, and mixtures thereof.

2. The composition according to claim 1, is an oral care composition.

3. The composition of claim 2, wherein the antimicrobial agent comprises an antibacterial agent.

4. The composition of claim 3, wherein the antibacterial agent is selected from the group consisting of a quinolone, a beta lactam, a chloramphenicol, a glycopeptide, an aminoglycoside, a macrolide, a rifamycin, an oxazolidonone, a coumermycin, a polyphenolic agent, triclosan, a quaternary ammonium compound, a zinc compound, a borinic acid ester, and mixtures thereof.

5. The composition of claim 4, wherein the polyphenolic agent is triclosan.

6. The composition of claim 4, wherein the polyphenolic agent comprises magnolol or its derivatives.

7. The composition of claim 4, wherein the polyphenolic agent comprises honokiol or its derivatives.

8. The composition of claim 4, wherein the quaternary ammonium compound is cetylpyridinium chloride.

9. The composition of claim 1, wherein the compound is 3-(4'-Hydroxy-3'-methoxy-phenyl)-1-phenyl-prop-2-ene-1-one.

10. The composition of claim 2, wherein the composition is in the form of a dentifrice selected from the group consisting of toothpaste, tooth powder, gel, rinse, lozenge, chewing gum, film, and mixtures thereof.

11. A composition as claimed in claim 1 for use in treating a microbial infection comprising topically administering to a mammal in need thereof.

12. A composition as claimed in claim 11 wherein the composition is administered to the oral cavity.

13. A composition as claimed in claim 12 wherein the composition is in the form of a dentifrice selected from the group consisting of toothpaste, tooth powder, gel, rinse, lozenge, chewing gum, film and mixtures thereof.

14. A composition as claimed in claim 11 wherein the antimicrobial comprises an antibacterial agent.

15. A composition as claimed in claim 14 wherein the antibacterial agent is selected from the group consisting of a quinolone, a beta lactam, a chloramphenicol, a glycopeptide, an aminoglycoside, a macrolide, a rifamycin, an oxazolidonone, a coumermycin, a polyphenolic agent, triclosan, a quaternary ammonium compound, a zinc compound, a borinic acid ester, and mixtures thereof.

16. A composition as claimed in claim 15 wherein the polyphenolic agent is triclosan.

17. A composition as claimed in claim 15 wherein the polyphenolic agent comprises magnolol or its derivatives.

18. A composition as claimed in claim 15 wherein the polyphenolic agent comprises honokiol or its derivatives.

19. A composition as claimed in claim 15 wherein the compound is 3-(4'-hydroxy-3'methoxy-phenyl)-1-phenyl-prop-2-ene-1-one.

20. Use of the composition as claimed in claim 1 in the manufacture of a medicament for treating a microbial infection.

21. A use as claimed in claim 20 wherein the composition is administered to the oral cavity.

22. A use as claimed in claim 20 wherein the composition is in the form of a dentifrice selected from the group consisting of toothpaste, tooth powder, gel, rinse, lozenge, chewing gum, film and mixtures thereof.

23. A use as claimed in claim 20 wherein the antimicrobial comprises an antibacterial agent.

24. A use as claimed in claim 23 wherein the antibacterial agent is selected from the group consisting of a quinolone, a beta lactam, a chloramphenicol, a glycopeptide, an aminoglycoside, a macrolide, a rifamycin, an oxazolidonone, a coumermycin, a polyphenolic agent, triclosan, a quaternary ammonium compound, a zinc compound, a borinic acid ester, and mixtures thereof.

25. A use as claimed in claim 24 wherein the polyphenolic agent is triclosan.

26. A use as claimed in claim 24 wherein the polyphenolic agent comprises magnolol or its derivatives.

27. A use as claimed in claim 24 wherein the polyphenolic agent comprises honokiol or its derivatives.

28. A use as claimed in claim 24 wherein the compound is 3-(4'-hydroxy-3'methoxy-phenyl)-1-phenyl-prop-2-ene-1-one.

We Claim

1. A composition comprising a carrier, an antimicrobial agent and one compound selected from the group consisting of 3-(4'-Hydroxy-3'-methoxy-phenyl)-1-(2'-hydroxy-5'methoxy-phenyl)-prop-2-ene-1-one, 3-(4'-Hydroxy-3'-methoxy-phenyl)-1-phenyl-prop-2-ene-1-one, 3-(2", 3"-Dimethoxy-phenyl)-1-furan-2-yl-prop-2-ene-1-one, 3-(2", 5"-dimethoxy-phenyl)-1 -(1H-pyrrol-2-yl)-prop-2-ene-1-one, and mixtures thereof.

2. The composition according to claim 1, is an oral care composition.

3. The composition of claim 2, wherein the antimicrobial agent comprises an antibacterial agent.

4. The composition of claim 3, wherein the antibacterial agent is selected from the group consisting of a quinolone, a beta lactam, a chloramphenicol, a glycopeptide, an aminoglycoside, a macrolide, a rifamycin, an oxazolidonone, a coumermycin, a polyphenolic agent, triclosan, a quaternary ammonium compound, a zinc compound, a borinic acid ester, and mixtures thereof.

5. The composition of claim 4, wherein the polyphenolic agent is triclosan.

6. The composition of claim 4, wherein the polyphenolic agent comprises magnolol or its derivatives.

7. The composition of claim 4, wherein the polyphenolic agent comprises honokiol or its derivatives.

8. The composition of claim 4, wherein the quaternary ammonium compound is cetylpyridinium chloride.

9. The composition of claim 1, wherein the compound is 3-(4'-Hydroxy-3'-methoxy-phenyl)-1-phenyl-prop-2-ene-1-one.

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10. The composition of claim 2, wherein the composition is in the form of a dentifrice selected from the group consisting of toothpaste, tooth powder, gel, rinse, lozenge, chewing gum, film, and mixtures thereof.

11. A method for treating a microbial infection comprising topically administering to a mammal in need thereof a composition as claimed in claim 1.

12. The method according to claim 11 wherein the microbial infection is caused by a bacterium.

13. The method according to claim 11, wherein the composition is administered to the oral cavity.

14. The method according to claim 12, wherein the composition is in the form of a dentifrice selected from the group consisting of toothpaste, tooth powder, gel, rinse, lozenge, chewing gum, film, and mixtures thereof.

15. The method according to claim 11, wherein the antimicrobial comprises an antibacterial agent.

16. The method of claim 15, wherein the antibacterial agent is selected from the group consisting of a quinolone, a beta lactam, a chloramphenicol, a glycopeptide, an aminoglycoside, a macrolide, a rifamycin, an oxazolidonone, a coumermycin, a polyphenolic agent, triclosan, a quaternary ammonium compound, a zinc compound, a borinic acid ester, and mixtures thereof.

17. The method of claim 16, wherein the polyphenolic agent is triclosan.

18. The method of claim 16, wherein the polyphenolic agent comprises magnolol or its derivatives.

19. The method of claim 16, wherein the polyphenolic agent comprises honokiol or its

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derivatives.

20. The method of claim 16, wherein the compound is 3-(4'-Hydroxy-3'-methoxyphenyl)-1-phenyl-prop-2-ene-1-one.

21. The method according to claim 11 wherein the microbial count is reduced.

22. A composition as claimed in claim 1 for use in treating a microbial infection comprising topically administering to a mammal in need thereof.

23. A composition as claimed in claim 22 wherein the microbial infection is caused by a bacterium.

24. A composition as claimed in claim 22 wherein the composition is administered to the oral cavity.

25. A composition as claimed in claim 23 wherein the composition is in the form of a dentifrice selected from the group consisting of toothpaste, tooth powder, gel, rinse, lozenge, chewing gum, film and mixtures thereof.

26. A composition as claimed in claim 22 wherein the antimicrobial comprises an antibacterial agent.

27. A composition as claimed in claim 26 wherein the antibacterial agent is selected from the group consisting of a quinolone, a beta lactam, a chloramphenicol, a glycopeptide, an aminoglycoside, a macrolide, a rifamycin, an oxazolidonone, a coumermycin, a polyphenolic agent, triclosan, a quaternary ammonium compound, a zinc compound, a borinic acid ester, and mixtures thereof.

28. A composition as claimed in claim 27 wherein the polyphenolic agent is triclosan.

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29. A composition as claimed in claim 27 wherein the polyphenolic agent comprises magnolol or its derivatives.

30. A composition as claimed in claim 27 wherein the polyphenolic agent comprises honokiol or its derivatives.

31. A composition as claimed in claim 27 wherein the compound is 3-(4'-hydroxy-3'methoxy-phenyl)-1-phenyl-prop-2-ene-1-one.

32. A composition as claimed in claim 22 wherein the microbial count is reduced.

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