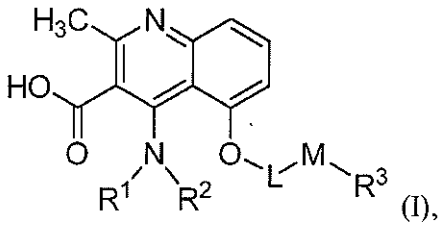
We claim:

1. A compound having structural Formula (I):



(I),

or a salt or solvate thereof; wherein

R^1 and R^2 are independently hydrogen or C1 to C6 alkyl;

L is C1 to C12 alkylene or substituted C1 to C12 alkylene;

M is $-NR^4-C(O)-$ or $-C(O)-NR^4-$;

R^4 is hydrogen or C1 to C6 alkyl; or alternatively, when M is $-NR^4-C(O)-$, R^4 and one or more atoms of L, together with the nitrogen to which they are attached, form a 5- to 8-membered heterocyclic ring which is optionally substituted and contains one to three heteroatoms selected from nitrogen, oxygen, and sulfur; and

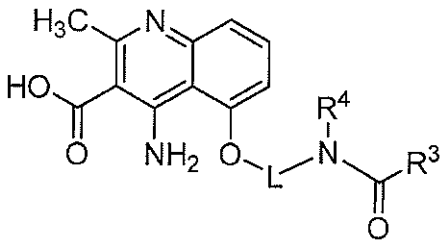
R^3 is C1 to C12 alkyl, substituted C1 to C12 alkyl, 5- to 8-membered heterocyclyl, or substituted 5- to 8-membered heterocyclyl; or alternatively, when M is $-C(O)-NR^4-$, R^4 and one or more atoms of R^3, together with the nitrogen to which they are attached, form a 5- to 8-membered heterocyclic ring which is optionally substituted and contains one to three heteroatoms selected from nitrogen, oxygen, and sulfur.

2. The compound of claim 1, wherein R^1 and R^2 are both hydrogen.

3. The compound of claim 1 or 2, wherein the alkylene is straight, branched, cyclic, or a combination thereof.

4. The compound of any one of claims 1 to 3, wherein the alkyl is straight, branched, cyclic, or a combination thereof.

5. The compound of claim 1, which is represented by structural Formula (Ia):



(Ia),

wherein,

L is C1 to C12 alkylene or substituted C1 to C12 alkylene;

R^4 is hydrogen or C1 to C6 alkyl; or alternatively, R^4 and one or more atoms of L, together with the nitrogen to which they are attached, form a 5- to 8-membered heterocyclic ring which is optionally substituted and contains one to three heteroatoms selected from nitrogen, oxygen, and sulfur; and

R^3 is C1 to C12 alkyl, substituted C1 to C12 alkyl, 5- to 8-membered heterocyclyl, or substituted 5- to 8-membered heterocyclyl.

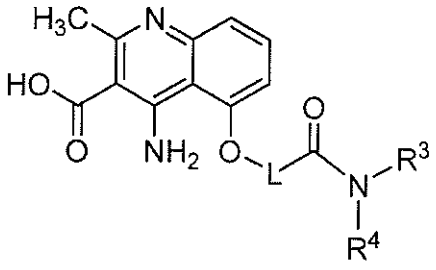
6. The compound of claim 5, wherein

L is branched or cyclic C3 to C6 alkylene;

R^4 is hydrogen; and

R^3 is branched C3 to C6 alkyl or straight C1 to C6 alkyl.

7. The compound of claim 1, which is represented by structural Formula (Ib):



(Ib),

wherein:

L is C1 to C12 alkylene or substituted C1 to C12 alkylene;

R^4 is hydrogen or C1 to C6 alkyl; and

R^3 is C1 to C12 alkyl, substituted C1 to C12 alkyl, 5- to 8-membered heterocyclyl, substituted 5- to 8-membered heterocyclyl; or alternatively, R^4 and one or more atoms of R^3, together with the nitrogen to which they are attached, form a 5- to 8-membered heterocyclic ring which is optionally substituted and contains one to three heteroatoms selected from nitrogen, oxygen, and sulfur.

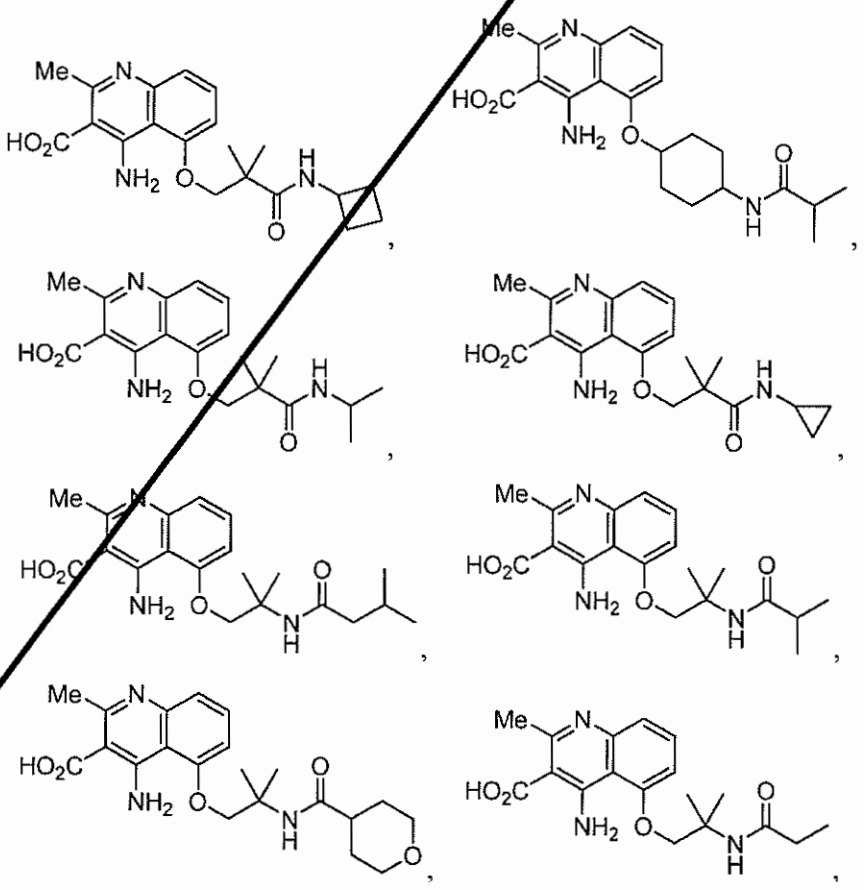
8. The compound of claim 6, wherein

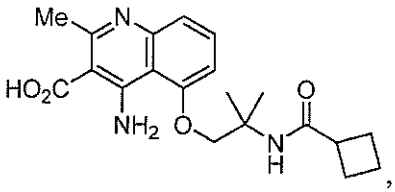
L is straight C1 to C6 alkylene or branched C3 to C6 alkylene;

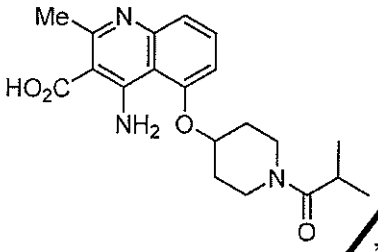
R^4 is hydrogen; and

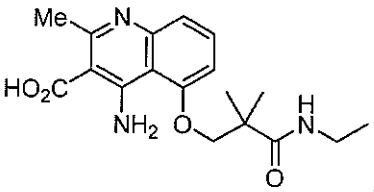
R^3 is straight C1 to C6 alkyl or branched or cyclic C3 to C6 alkyl.

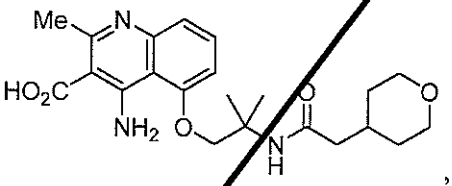
9. The compound of claim 1, which is selected from the group consisting of

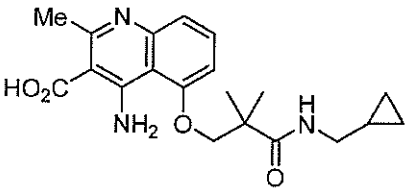


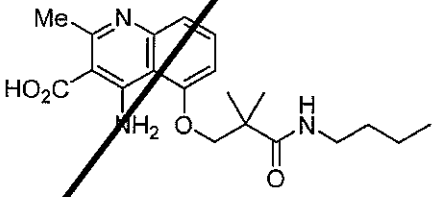


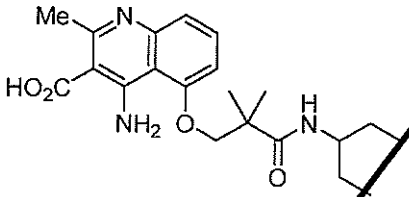


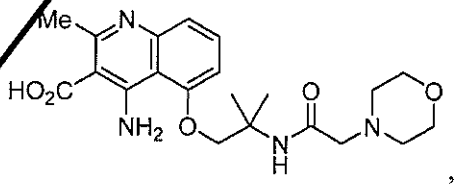


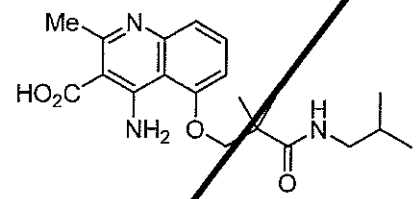


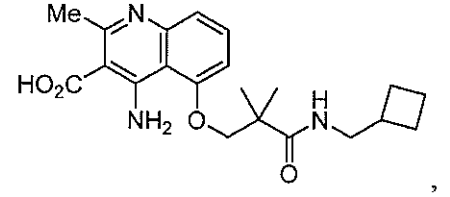


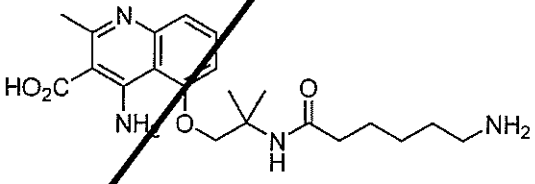


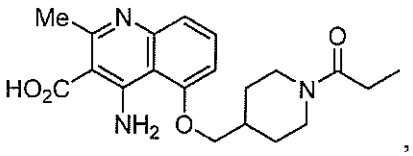


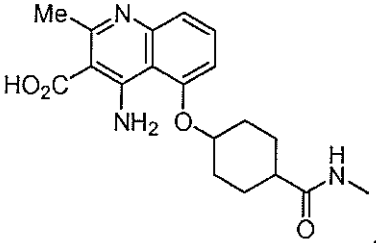


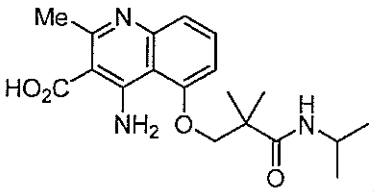


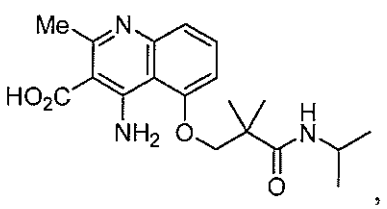


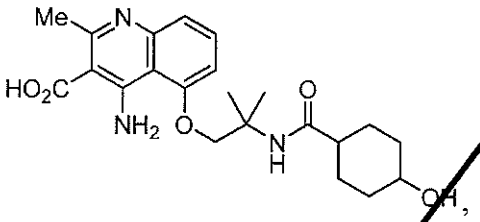


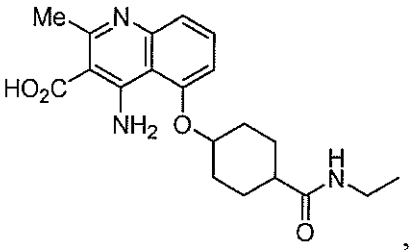


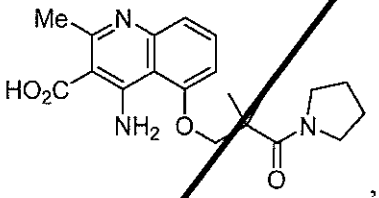


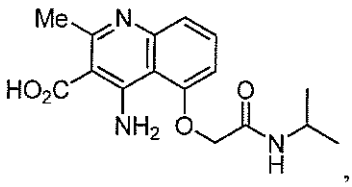


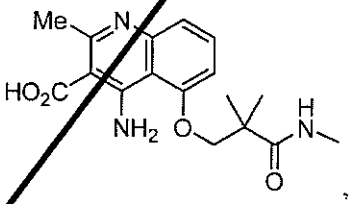


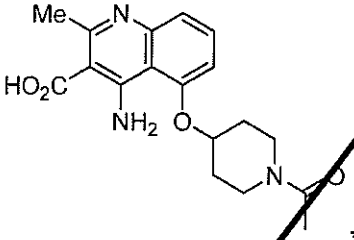


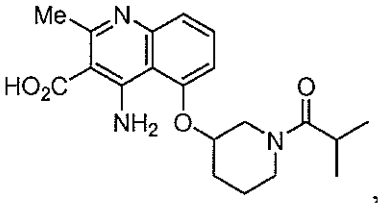


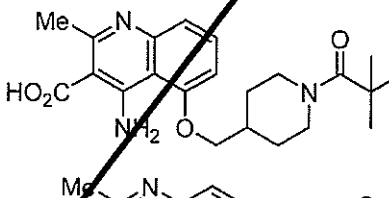


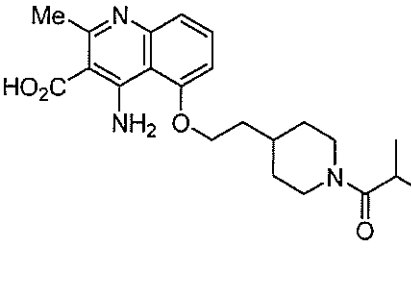


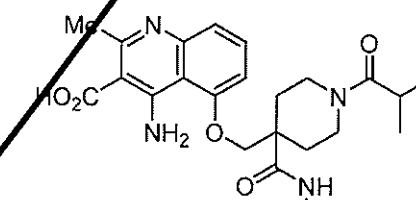


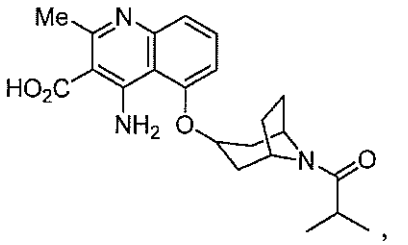


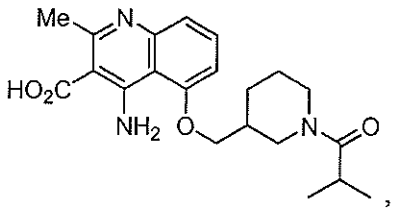








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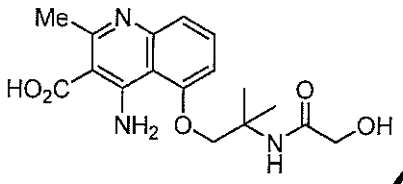
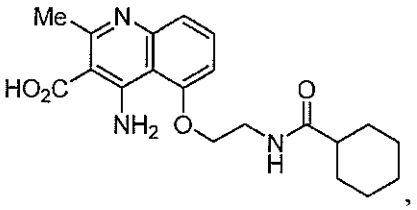
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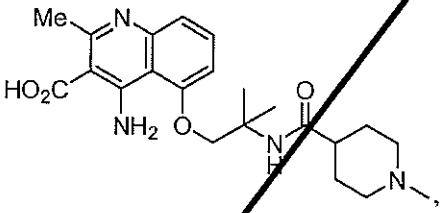
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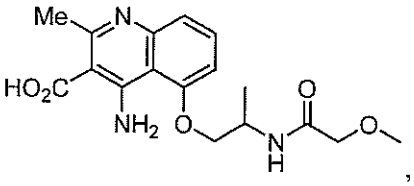
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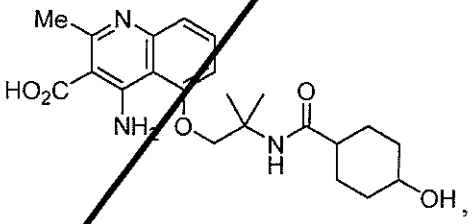
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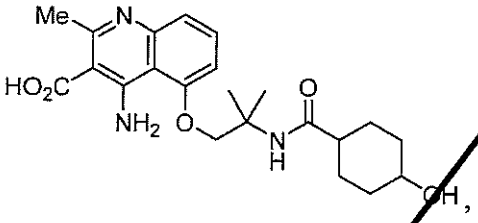
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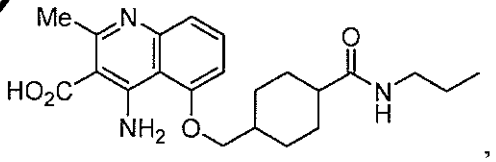
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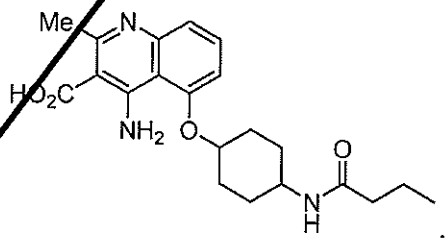
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10. The compound of any one of claims 1 to 9, which enhances the sweetness of a sweetener at a pH from about 2.5 to about 8.5.

11. An ingestible composition comprising
a compound of any one of claims 1 to 10; and optionally
an ingestibly acceptable excipient.

12. The ingestible composition of claim 11, further comprising one or more sweeteners.

13. The ingestible composition of claim 12, wherein the sweetener is selected from the group consisting of sucrose, fructose, glucose, galactose, mannose, lactose, tagatose, maltose, corn syrup (including high fructose corm syrup), D-tryptophan, glycine, erythritol, isomalt, lactitol, mannitol, sorbitol, xylitol, maltodextrin, maltitol, isomalt, hydrogenated glucose syrup (HGS), hydrogenated starch hydrolyzate (HSH), stevioside, rebaudioside A, other sweet Stevia-based glycosides, carrelame, other guanidine-based sweeteners, saccharin, acesulfame-K, cyclamate, sucralose, alitame, mogroside, neotame, aspartame, other aspartame derivatives, and combinations thereof.

14. The ingestible composition of claim 11, which has an increased sweet taste as compared to the ingestible composition not containing the compound of any one of claims 1 to 10.

15. The ingestible composition of claim 11, which is in form of a food or beverage product, a pharmaceutical composition, a nutritional product, a dietary supplement, over-the-counter medication, or oral care product.

16. The ingestible composition of claim 15, wherein the food or beverage product is for human or animal consumption.

17. The ingestible composition of claim 15 or 16, wherein the food or beverage product is selected from the group consisting of the Soup category; the Dried Processed Food category; the Beverage category; the Ready Meal category; the Canned or Preserved Food category; the Frozen Processed Food category; the Chilled Processed Food category; the Snack Food category; the Baked Goods category; the Confectionary category; the Dairy Product category; the Ice Cream category; the Meal Replacement category; the Pasta and Noodle category; the Sauces, Dressings, Condiments category; the Baby Food category; the Spreads category; sweet coatings, frostings, or glazes; and combinations thereof.

18. A method of increasing the sweet taste of a composition comprising contacting the composition thereof with a compound of any one of claims 1 to 10 to form a modified composition.

19. A method of imparting a more sugar-like temporal profile and/or flavor profile to a sweetener composition comprising combining a compound of any one of claims 1 to 10 and one or more sweetener in the sweetener composition.

20. A sweet enhancing composition, comprising a compound of any one of claims 1 to 10 in an amount effective to provide sweetening in combination with a first amount of sweetener, wherein the sweetening is more than the sweetening provided by the first amount of sweetener without the compound.

21. An ingestible composition comprising the sweet enhancing composition of claim 20.

22. The ingestible composition of claim 21, which is in form of a food or beverage product, a pharmaceutical composition, a nutritional product, a dietary supplement, over-the-counter medication, or oral care product.

23. A flavoring concentrate formulation comprising

i) as flavor modifying ingredient, a compound of any one of claims 1 to 10;

ii) a carrier; and

iii) optionally at least one adjuvant.

24. The flavoring concentrate formulation of claim 23, wherein the at least one adjuvant comprises one or more flavoring agents.

25. The flavoring concentrate formulation of claim 23 or 24, wherein the at least one adjuvant comprises one or more sweeteners.

26. The flavoring concentrate formulation of any one of claims 23 to 25, wherein the at least one adjuvant comprises one or more ingredients selected from the group consisting of a emulsifier, a stabilizer, an antimicrobial preservative, an antioxidant, vitamins, minerals, fats, starches, protein concentrates and isolates, salts, a freezing point depressant, nucleating agent, and combinations thereof.

27. The flavoring concentrate formulation of any one of claims 23 to 26, which is in a form selected from the group consisting of liquid, solid, semi-solid, foamy material, paste, gel, cream, lotion, and combinations thereof.

28. The flavoring concentrate formulation of any one of claims 23 to 27, wherein the compound of any one of claims 1 to 10 is in a concentration that is at least 2 times of the concentration in a ready-to-use composition.

CLAIMS

1. An invention not claimed in any divisional application.