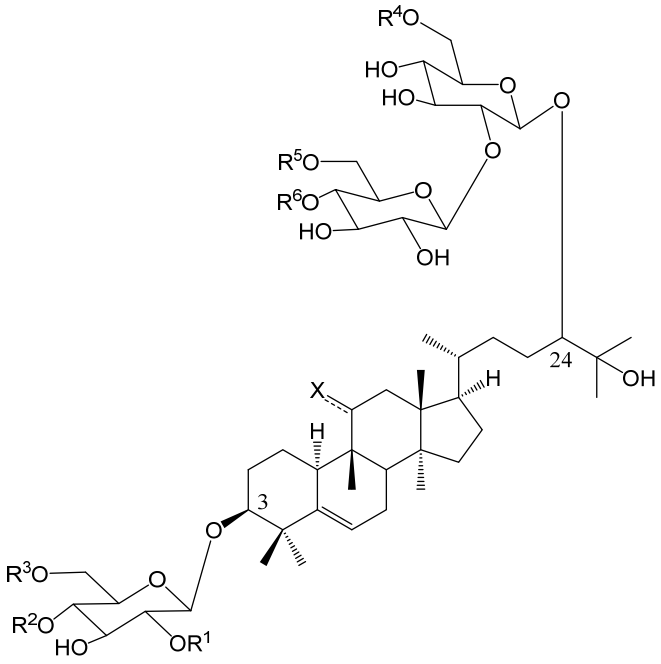
CLAIMS

1. A mogroside of Formula I:



Formula I

wherein:

when ⎓ is a double bond, X is O;

when ⎓ is a single bond, X is selected from OH and H and the carbon to which X is attached is substituted with H to provide proper valence;

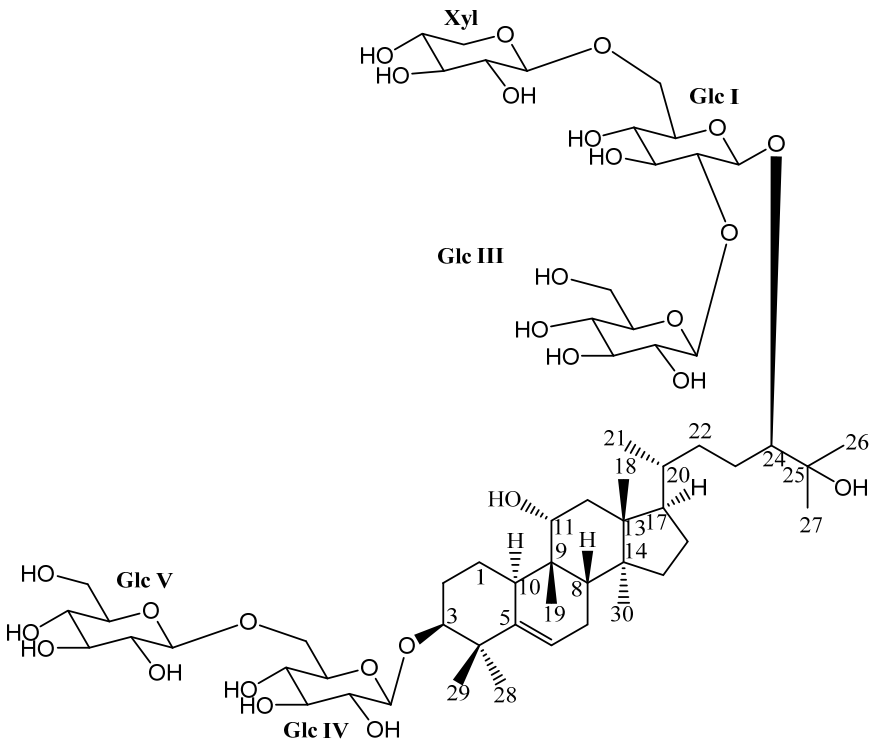
R^1 is hydrogen~~,~~;

R^2, R^3, R^4, R^5, and R^6 are each independently selected from hydrogen or a pentose or hexose carbohydrate, wherein at least one of ~~R~~^{1}R^2-R^6 is a pentose or hexose carbohydrate that is not glucose; and

the total number of carbohydrates is four, five or six;

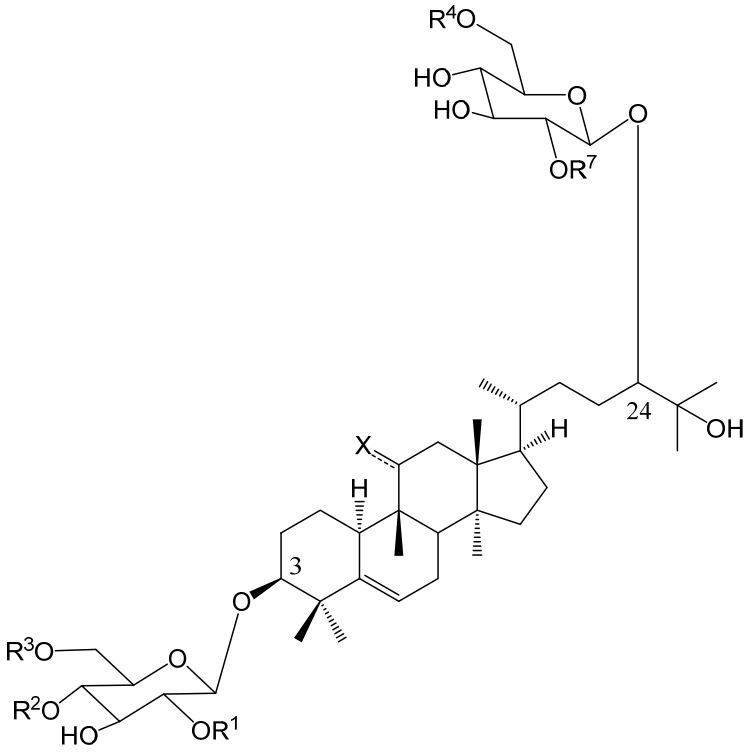
wherein the mogroside is isolated and purified; and

wherein the mogroside is not:



CC-00551.

2. A mogroside of Formula II:



Formula II

wherein:

when ⎓ is a double bond, X is O;

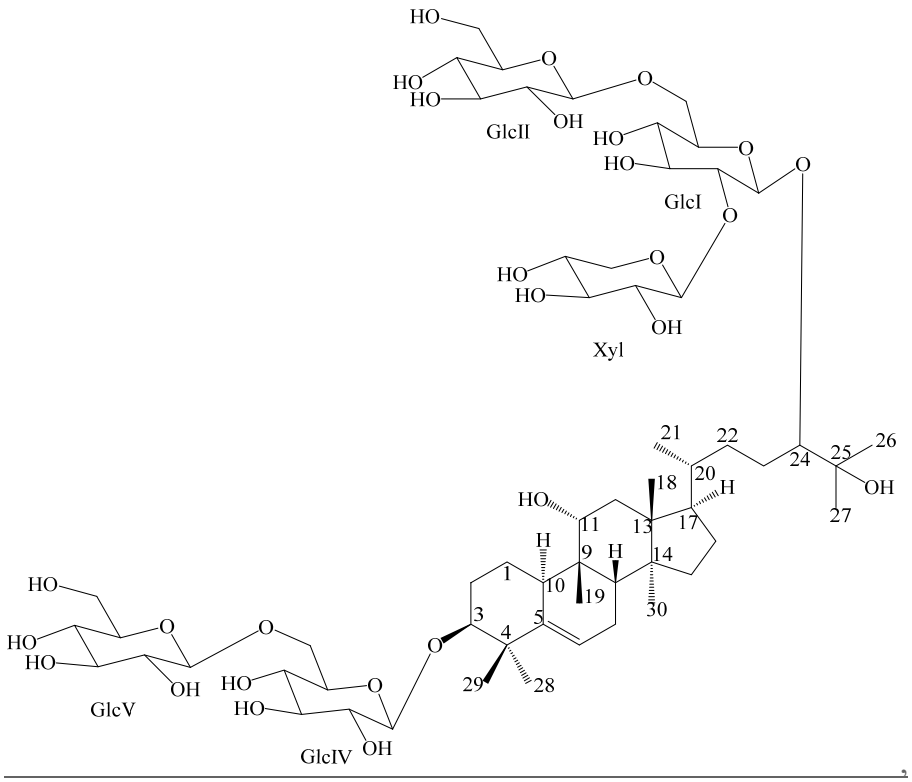
when ⎓ is a single bond, X is selected from OH and H and the carbon to which X is attached is substituted with H to provide proper valence; and

R^1 is hydrogen~~,~~;

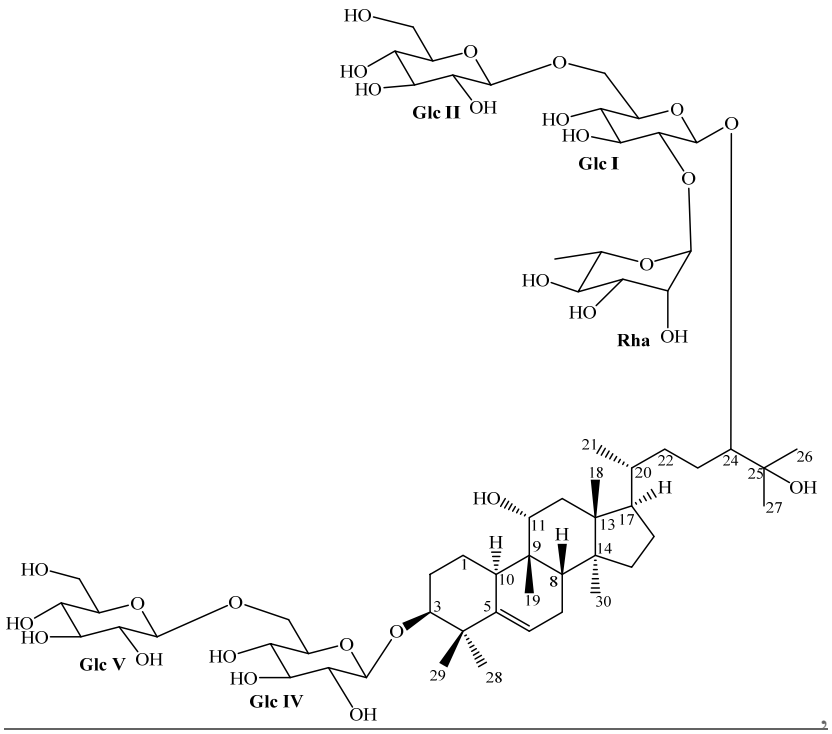
R^2, R^3, R^4, and R^7 are each independently selected from hydrogen or a pentose or hexose carbohydrate, wherein at least one of ~~R^1,~~ R^2, R^3, R^4 and R^7 is a pentose or hexose carbohydrate that is not glucose;

wherein the mogroside is isolated and purified; and

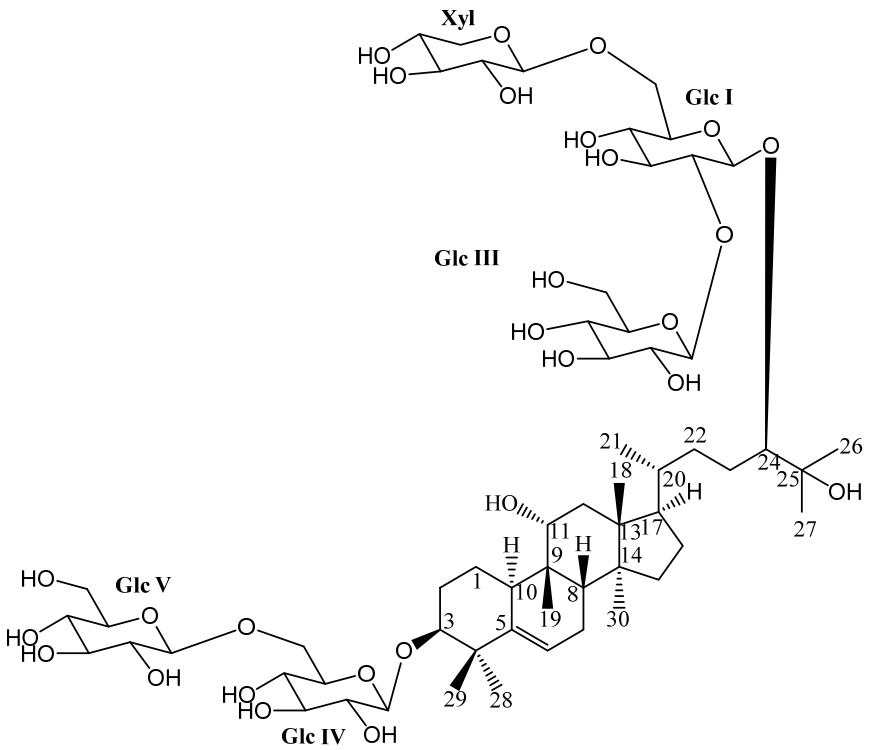
wherein the mogroside is not:



CC-00507;



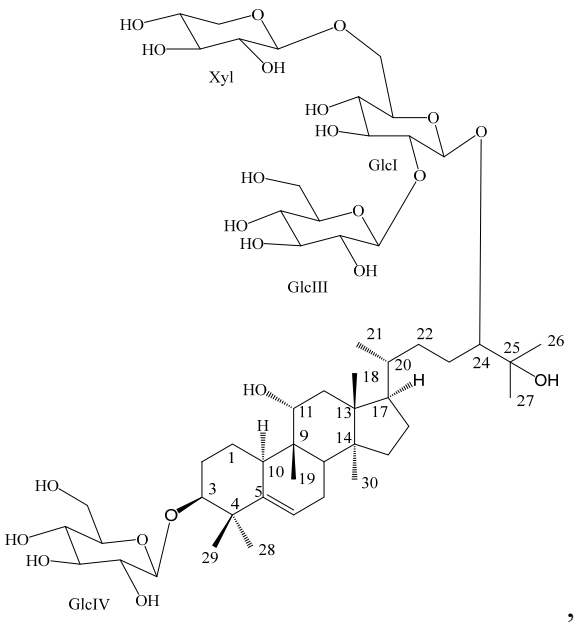
CC-00539; or



CC-00551.

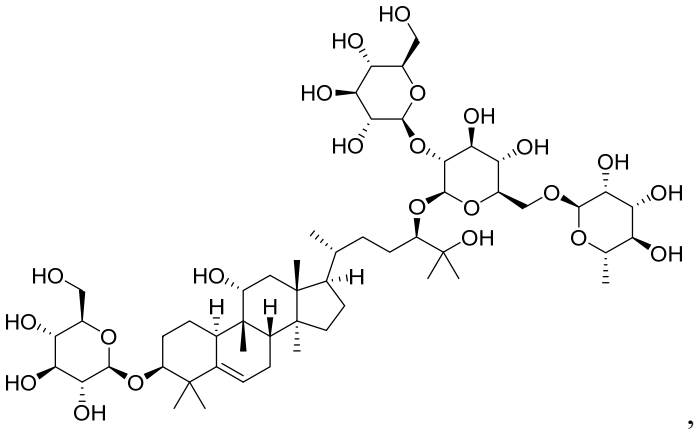
3. A mogroside of claim 1 or claim 2, wherein the pentose or hexose carbohydrates is selected from the group consisting of glucose, fructose, mannose, xylose, ribose, arabinose, deoxyglucose, kyxose, lyxose, fucose, allose, allulose, altrose, mannose, gulose, iodose, galactose, talose, and rhamnose.

4. A mogroside of claim 1 or 2 selected from the following:



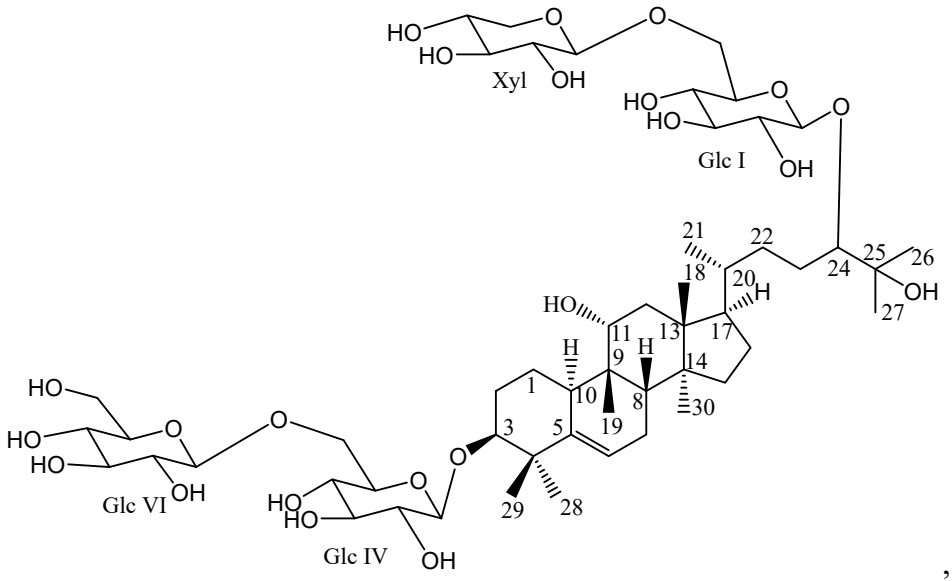
,

CC-00489



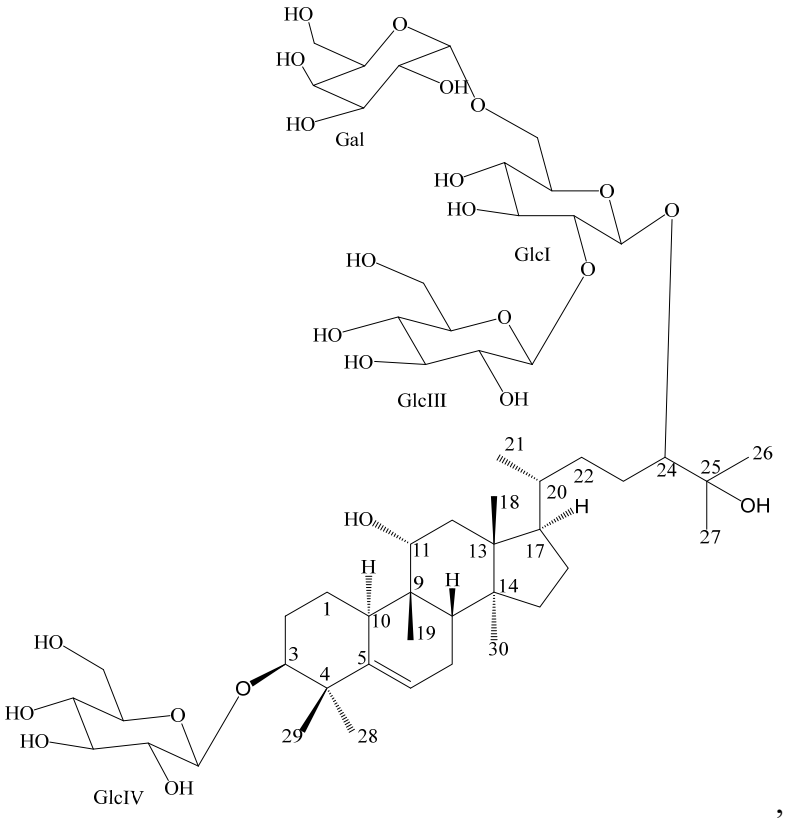
,

CC-00491



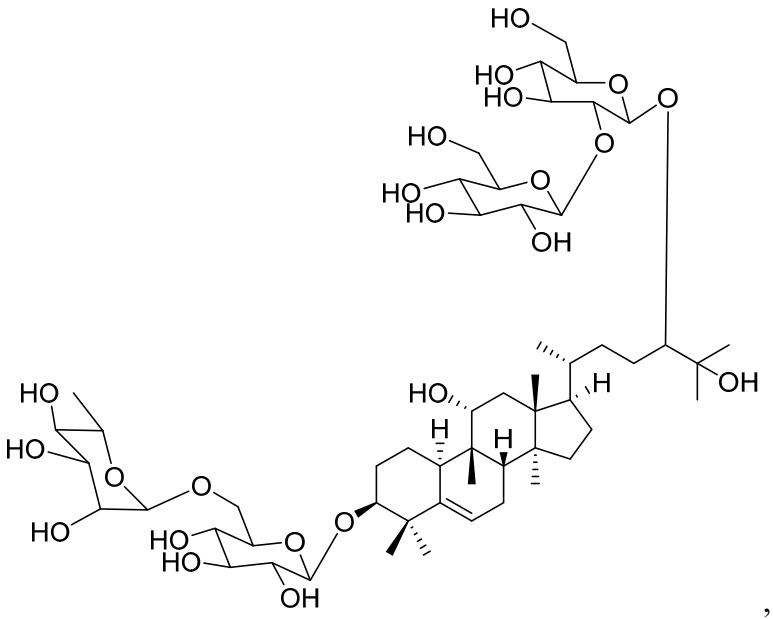
,

CC-00497



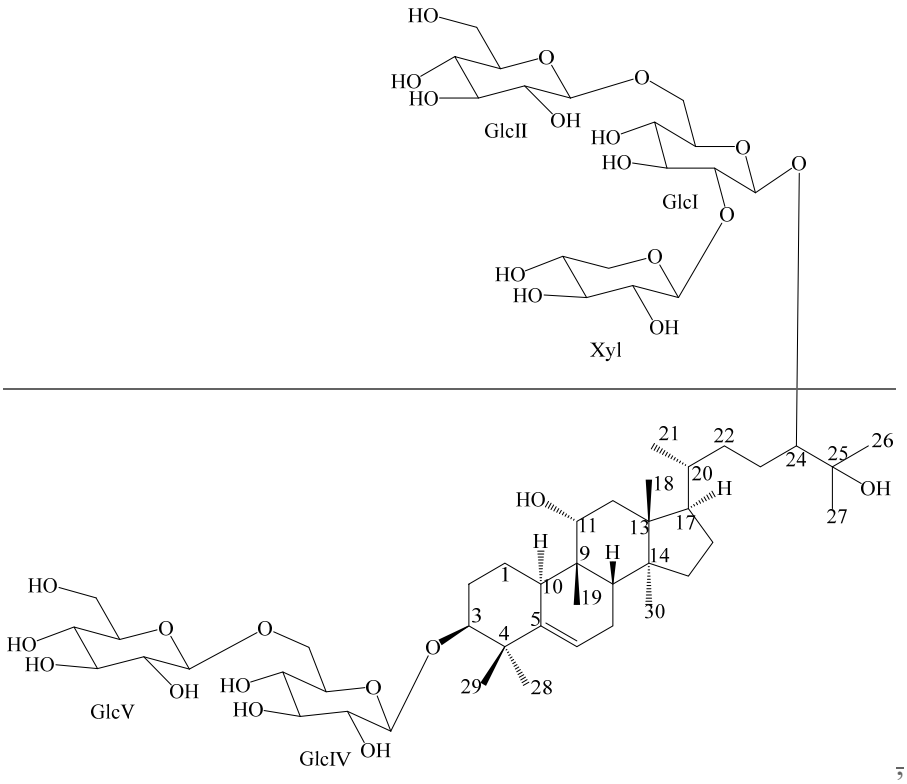
,

CC-00498



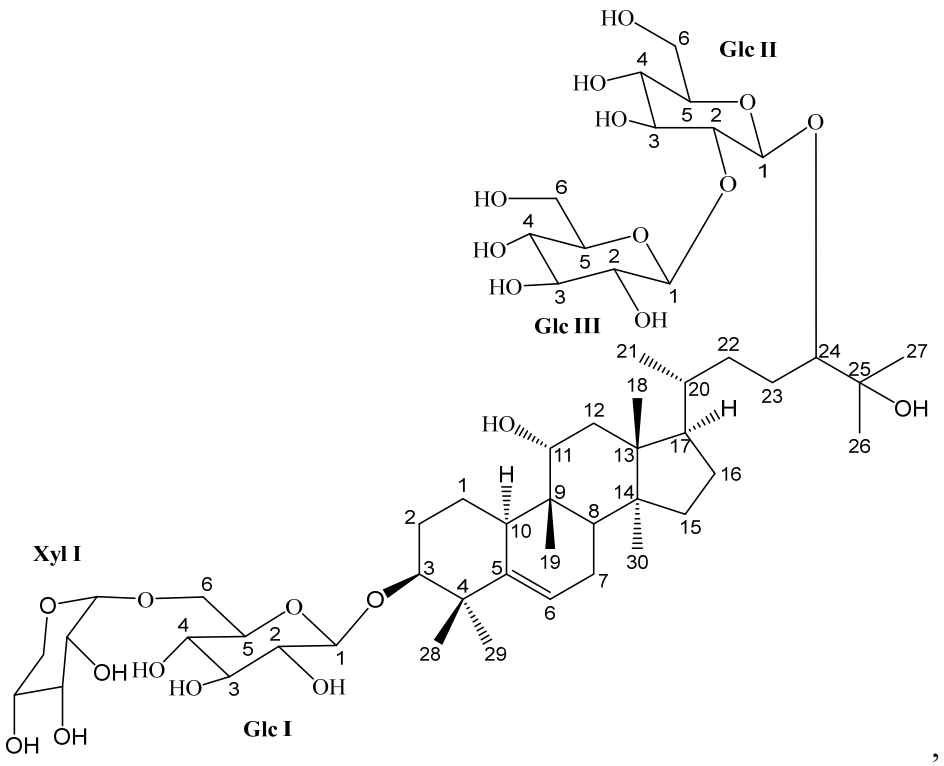
,

CC-00500



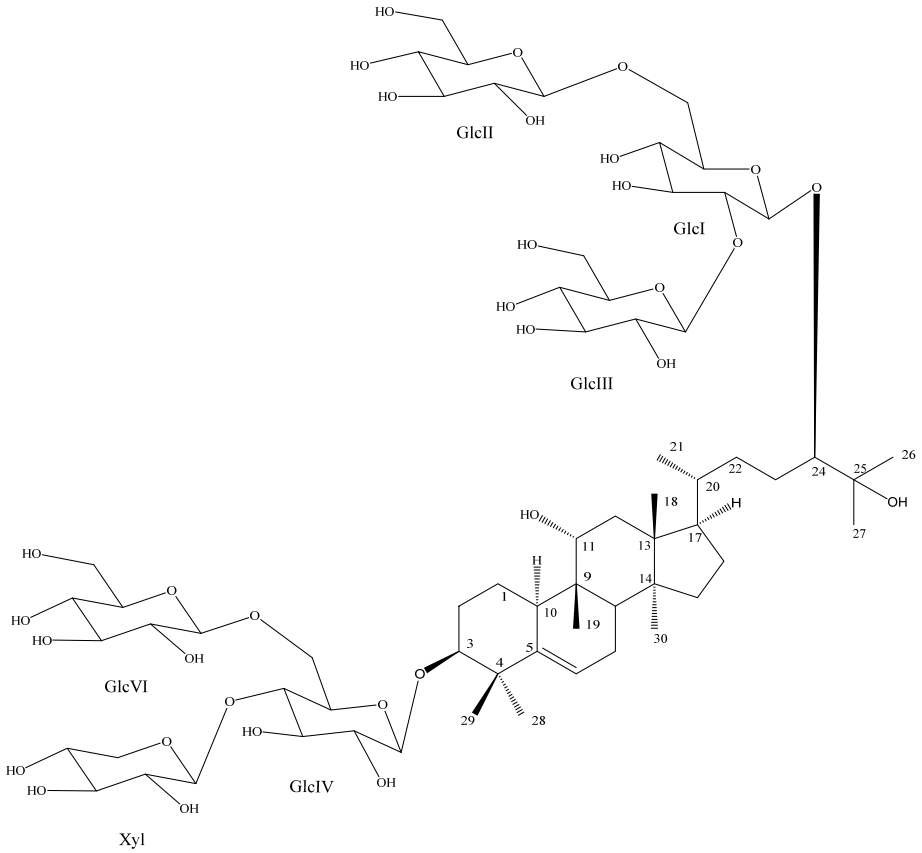
;

~~**CC-00507**~~

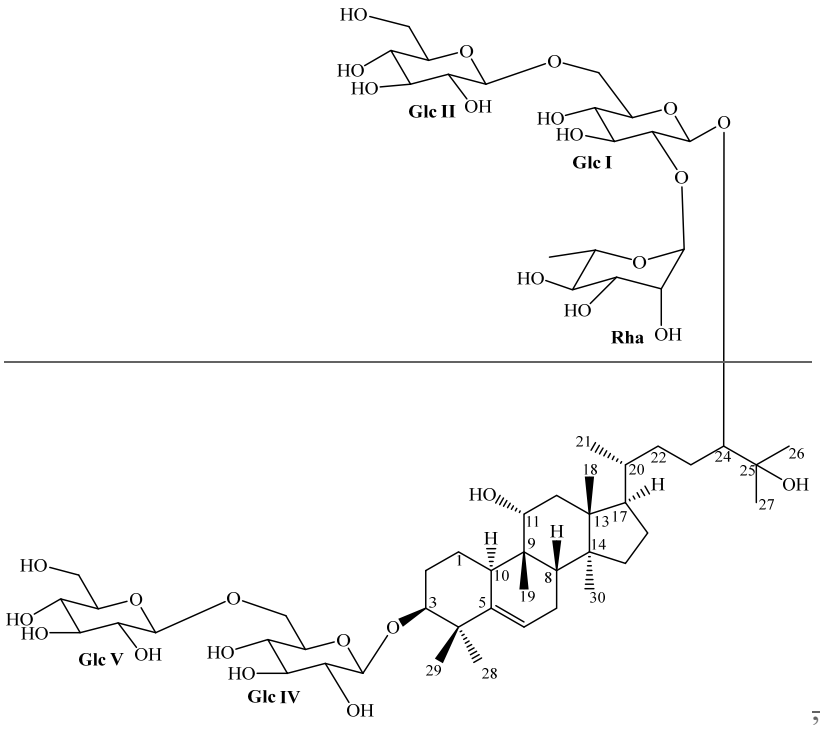


,

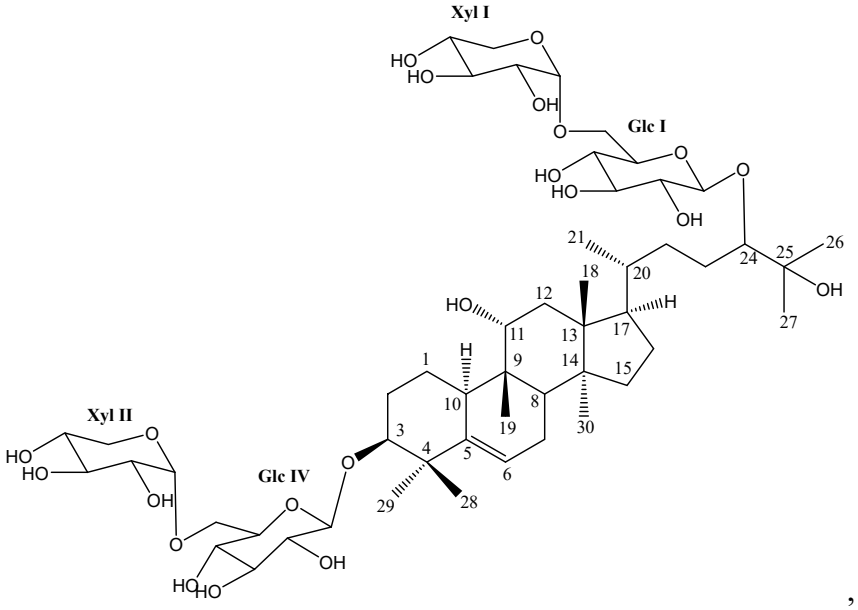
CC-00518



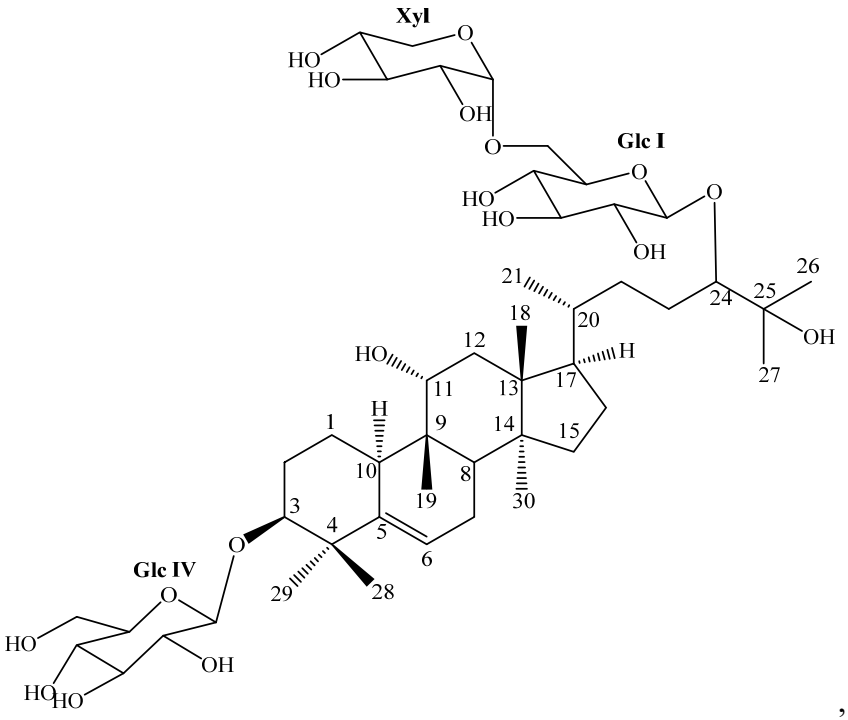
CC-00520



~~CC-00539~~

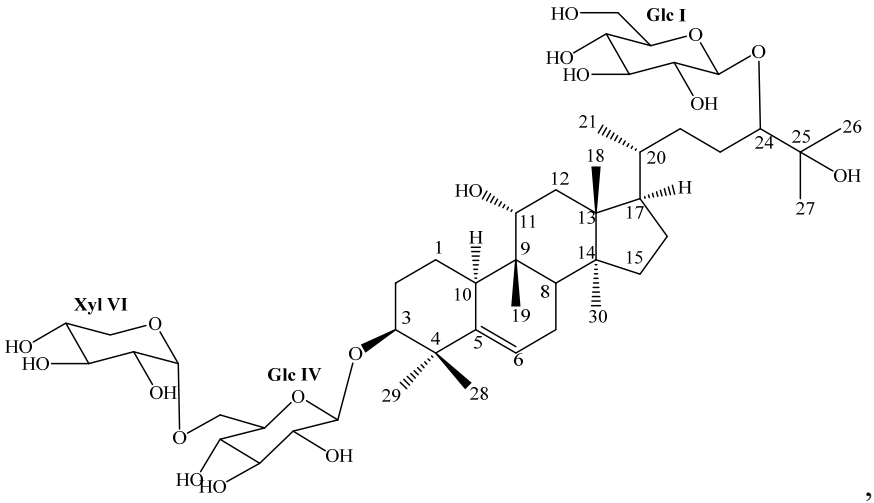


CC-00540



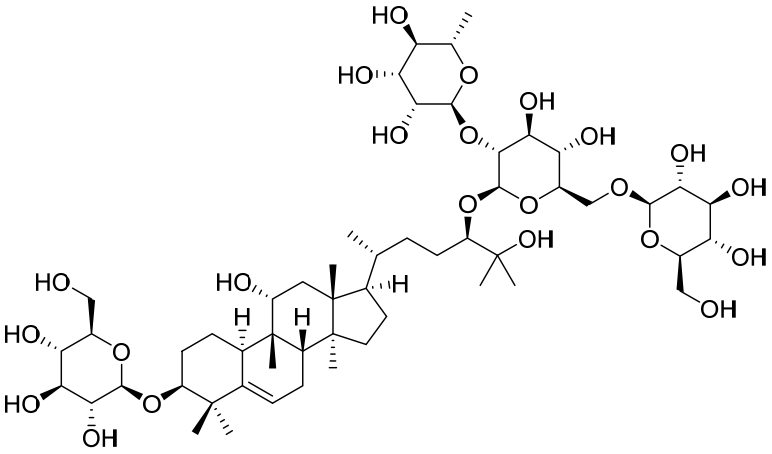
,

CC-00541



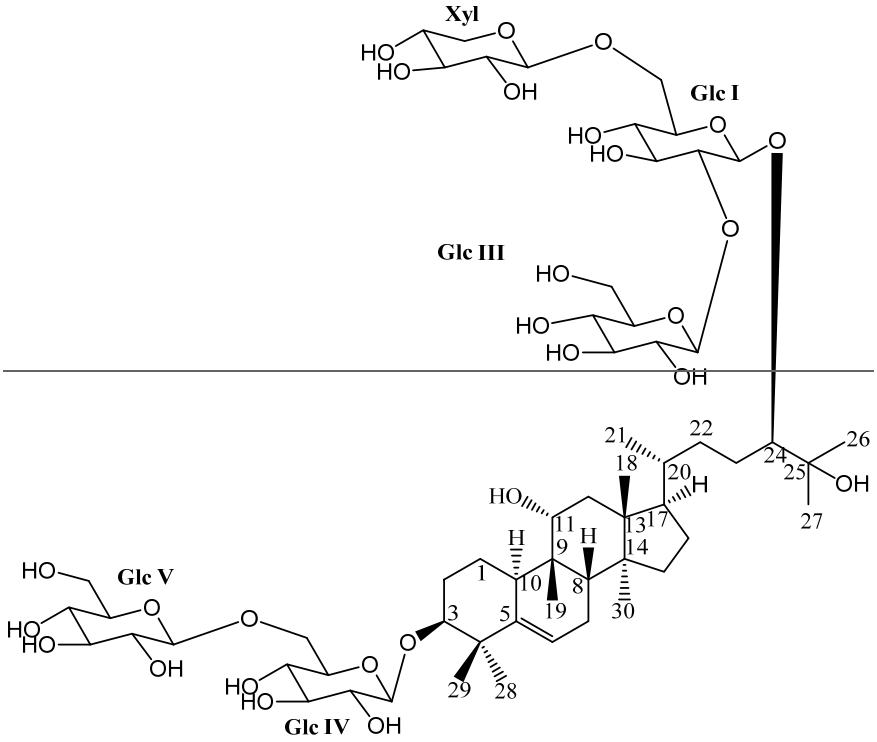
, and

CC-00542



, ~~and~~

CC-00550



~~**CC-00551**~~**;**

wherein the mogroside is isolated and purified.

~~4. A mogroside of any of claims 1-3, wherein the mogroside is isolated and purified.~~

5. A composition comprising a mogroside of any of claims 1-3 and at least one other substance, wherein the composition comprises at least about 5% of the mogroside of any of claims 1-3 by at least about 5% by weight.

6. A consumable comprising a mogroside of any of claims 1-3 or a composition of claim 5.

7. The consumable of claim 6, wherein the consumable is a beverage or beverage product.

8. The consumable of claim 7, wherein the beverage comprises said mogroside in a concentration from about 10 ppm to about 1,000 ppm or about 1 ppm to about 100 ppm.

9. The consumable of claim 7, wherein the beverage further comprises at least one additional sweetener selected from the group consisting of a carbohydrate sweetener, a rare sugar sweetener, a high potency sweetener, a synthetic sweetener and combinations thereof.

10. The consumable of claim 7, wherein the beverage further comprises at least one additional sweetener selected from the group consisting of rebaudioside A, rebaudioside M, rebaudioside D, mogroside V, siamenoside I and mogrol-3-O-[β-D-glucopyranoside]-24-O-{[β-D-glucopyranosyl-(1→2)]-[α-D-glucopyranosyl-(1→6)]-β-D-glucopyranoside}.

11. The consumable of claim 7, wherein the beverage further comprises at least one functional ingredient selected from the group consisting of saponins, antioxidants, dietary fiber sources, fatty acids, vitamins, glucosamine, minerals, preservatives, hydration agents, probiotics, prebiotics, weight management agents, osteoporosis management agents, phytoestrogens, long chain primary aliphatic saturated alcohols, phytosterols and combinations thereof.

12. The consumable of claim 7, wherein the beverage further comprises at least one additive selected from the group consisting of carbohydrates, polyols, amino acids and their corresponding salts, poly-amino acids and their corresponding salts, sugar acids and their corresponding salts, nucleotides, organic acids, inorganic acids, organic salts including organic acid salts and organic base salts, inorganic salts, bitter compounds, caffeine, flavorants and flavoring ingredients, astringent compounds, proteins or protein hydrolysates, surfactants, emulsifiers, plant extracts, flavonoids, alcohols, polymers and combinations thereof.

13. The consumable of claim 7, wherein the beverage is selected from the group consisting of frozen carbonated beverages, enhanced sparkling beverages, cola, fruit-flavored sparkling beverages, ginger-ale, soft drinks and root beer, fruit juice, fruit-flavored juice, juice drinks, nectars, vegetable juice, vegetable-flavored juice, sports drinks, energy drinks, enhanced water drinks, enhanced water with vitamins, near water drinks, coconut water, tea type drinks, coffee, cocoa drink, beverage containing milk components, beverages containing cereal extracts, protein drinks, drinkable yogurt, and smoothies.

14. The consumable of claim 7, wherein the beverage is a low-calorie or mid-calorie beverage.