WHAT IS CLAIMED IS:

1. ~~A method of~~ Use of an infant formula in the manufacture of a medicament for reducing obesity later in life, ~~the method comprising administering~~ wherein said infant formula is to be administered to an infant in need thereof ~~an infant formula~~ in the first year of life, wherein the infant formula has an energy content of less than 650 Kcal/L and comprises at least one of a nucleotide and~~/or~~ a carotenoid.

2. ~~A method~~ The use of claim 1, wherein the infant formula further comprises less than 14.0 grams of protein, preferably from 5.0 grams to 10.0 of grams protein, per liter of formula~~composition~~.

3. ~~A method~~ The use according to either one of claims 1 ~~and~~ or 2, wherein the infant formula comprises from 10 mg/L to 200 mg/L, preferably from 42 mg/L to 102 mg/L, of nucleotide.

4. ~~A method~~ The use according to any one of claims 1 to 3, wherein the nucleotide is selected from the group consisting of cytidine 5' monophosphate, disodium guanosine 5' monophosphate, disodium uridine 5' monophosphate, adenosine 5' monophosphate, and combinations thereof.

5. ~~A method~~ The use according to either one of claims 1 ~~and~~ or 2, wherein the infant formula comprises from 0.001 mg/L to 5 mg/L of carotenoid, preferably from 0.01 mg/L to 1 mg/L of carotenoid.

6. ~~A method~~ The use according to ~~any~~ one of claims 1, 2 and 5, wherein the carotenoid is selected from the group consisting of lutein, lycopene, zeaxanthin, beta-carotene, and combinations thereof.

7. ~~A method~~ The use according to ~~any~~ one of claims 1, 2, 5 and 6 wherein the carotenoid is lutein.

8. ~~A method~~ The use according to claim 1, ~~the method comprising administering to an infant in need thereof an infant formula in the first year of life, wherein the~~

~~infant formula has an energy content of less than 650 Kcal/L and~~ comprises at least one nucleotide and at least one carotenoid.

9. ~~A method~~ The use according to claim 8, wherein the infant formula further comprises less than 14.0 grams of protein per liter of composition.

10. ~~A method~~ The use according to ~~either one of~~ claim~~s~~ 8 ~~and~~ or 9, wherein the infant formula comprises from 10 mg/L to 200 mg/L of nucleotide.

11. ~~A method~~ The use according to any one of claims 8 to 10, wherein the infant formula comprises from 0.001 mg/L to 5 mg/L of carotenoid.

12. ~~A method~~ The use according to any one of claims 8 to 11, wherein the carotenoid is selected from the group consisting of lutein, lycopene, zeaxanthin, beta-carotene, and combinations thereof.

13. ~~A method~~ The use according to any one of claims 8 to 12, wherein the nucleotide is selected from the group consisting of cytidine 5' monophosphate, disodium guanosine 5' monophosphate, disodium uridine 5' monophosphate, adenosine 5' monophosphate, and combinations thereof.

14. ~~A method~~ The use according to any one of claims 8 to 13, wherein the carotenoid is lutein.

15. ~~A method~~ The use according to claim 1, wherein the infant formula ~~the method comprising administering to an infant in need thereof an infant formula in the first year of life, wherein the infant formula has an energy content of less than 650 Kcal/L and~~ comprises at least one nucleotide and at least one carotenoid, and wherein the carotenoid is lutein.