Claims

1. Use of (R)-2-[3-[[N-(benzoxazol-2-yl)-N-3-(4-methoxyphenoxy)propyl]aminomethyl]phenoxy]butyric acid, a salt thereof, or a solvate thereof in the manufacture of a medicament for increasing blood carnitine.

2. Use of (R)-2-[3-[[N-(benzoxazol-2-yl)-N-3-(4-methoxyphenoxy)propyl]aminomethyl]phenoxy]butyric acid, a salt thereof, or a solvate thereof in the manufacture of a pharmaceutical composition for the prevention of and/or the treatment of carnitine deficiency.

3. Use of (R)-2-[3-[[N-(benzoxazol-2-yl)-N-3-(4-methoxyphenoxy)propyl]aminomethyl]phenoxy]butyric acid, a salt thereof, or a solvate thereof in the manufacture of a medicament for the prevention of and/or the treatment of a disease associated with a decrease in mitochondrial function.

4. Use of (R)-2-[3-[[N-(benzoxazol-2-yl)-N-3-(4-methoxyphenoxy)propyl]aminomethyl]phenoxy]butyric acid, a salt thereof, or a solvate thereof in the manufacture of a medicament for the prevention of and/or the treatment of sarcopenia.

5. The use according to any one of claims 1 to 4, in combination with levocarnitine.

6. (R)-2-[3-[[N-(benzoxazol-2-yl)-N-3-(4-methoxyphenoxy)propyl]aminomethyl]phenoxy]butyric acid, a salt thereof, or a solvate thereof for use in increasing blood carnitine.

7. (R)-2-[3-[[N-(benzoxazol-2-yl)-N-3-(4-methoxyphenoxy)propyl]aminomethyl]phenoxy]butyric acid, a

salt thereof, or a solvate thereof for use in prevention and/or treatment of carnitine deficiency.

8. (R)-2-[3-[[N-(benzoxazol-2-yl)-N-3-(4-methoxyphenoxy)propyl]aminomethyl]phenoxy]butyric acid, a salt thereof, or a solvate thereof for use in prevention and/or treatment of a disease associated with a decrease in mitochondrial function.

9. (R)-2-[3-[[N-(benzoxazol-2-yl)-N-3-(4-methoxyphenoxy)propyl]aminomethyl]phenoxy]butyric acid, a salt thereof, or a solvate thereof for use in prevention and/or treatment of sarcopenia.

10. A combination of (R)-2-[3-[[N-(benzoxazol-2-yl)-N-3-(4-methoxyphenoxy)propyl]aminomethyl]phenoxy]butyric acid, a salt thereof, or a solvate thereof and levocarnitine, for use in increasing blood carnitine.

11. A combination of (R)-2-[3-[[N-(benzoxazol-2-yl)-N-3-(4-methoxyphenoxy)propyl]aminomethyl]phenoxy]butyric acid, a salt thereof, or a solvate thereof and levocarnitine, for use in the prevention of and/or the treatment of carnitine deficiency.

12. A combination of (R)-2-[3-[[N-(benzoxazol-2-yl)-N-3-(4-methoxyphenoxy)propyl]aminomethyl]phenoxy]butyric acid, a salt thereof, or a solvate thereof and levocarnitine, for use in the prevention of and/or the treatment of a disease associated with a decrease in mitochondrial function.

13. A combination of (R)-2-[3-[[N-(benzoxazol-2-yl)-N-3-(4-methoxyphenoxy)propyl]aminomethyl]phenoxy]butyric acid, a salt thereof, or a solvate thereof and levocarnitine, for use in the prevention of and/or the treatment of sarcopenia.