blood glucagon concentration, reduced blood cortisol concentration, increased blood total ketone body concentration, increased blood 3-hydroxybutyric acid concentration, and increased UCP-1 expression level in brown adipose tissue.

[0021]

The present ~~invention~~ disclosure further includes the following ~~aspects~~examples:

[0022]

[a] A agent for enhancing lipid metabolism comprising arginine, alanine, and phenylalanine as active ingredients, wherein the total number of moles of arginine, alanine, and phenylalanine is 60 mol or more, per 100 mol of the total number of moles of all amino acids;

[b] The agent for enhancing lipid metabolism according to the aforementioned aspect [a], comprising arginine in a molar ratio of 8 to 30 mol, alanine in a molar ratio of 18 to 30 mol, and phenylalanine in a molar ratio of 10 to 20 mol;

[c] The agent for enhancing lipid metabolism according to the aforementioned aspect [a] or [b], wherein the total number of moles of arginine, alanine, and phenylalanine is 100 mol, per 100 mol of the total number of moles of all amino acids;

[d] An agent for enhancing lipid metabolism comprising arginine, alanine, phenylalanine, and glycine as active ingredients, wherein the total number of moles of arginine, alanine, phenylalanine, and glycine is 85 mol or more, per 100 mol of the total number of moles of all amino acids;

[e] The agent for enhancing lipid metabolism according to the aforementioned aspect [d], comprising arginine in a molar ratio of 8 to 30 mol, alanine in a molar ratio of 18 to 30 mol, phenylalanine in a molar ratio of 10 to 20 mol, and the glycine in a molar ratio of 20 to 27 mol;

[f] The agent for enhancing lipid metabolism according to the aforementioned aspect [d] or [e], wherein the total number of moles of arginine, alanine, phenylalanine, and glycine is 100 mol, per 100 mol of the total number of moles of all amino acids;

[g] The agent for enhancing lipid metabolism according to the aforementioned aspect [a] or [d], further comprising exclusively proline, lysine, tyrosine, threonine, leucine, valine, isoleucine, glutamic acid, tryptophan, histidine, serine, methionine, and aspartic acid as other amino acids;