Claims

[Claim 1] A pharmaceutical composition for intestinal flora improvement, comprising 1-cyclopropyl-6-fluoro-1,4-dihydro-8-methyl-7-(2-amino-3-cyano-5-pyridyl)-4-oxo-3-quinoline-carboxylic acid or a pharmaceutically acceptable salt thereof as an active ingredient.

[Claim 2] The pharmaceutical composition of claim 1, wherein intestinal flora is improved by increasing the intestinal occupancy of Akkermansia.

[Claim 3] The pharmaceutical composition of claim 1, wherein the layer of intestinal mucus is thickened by improving intestinal flora.

[Claim 4] A medicament for treating and/or preventing a disease which is expected to be improved by increasing the intestinal occupancy of Akkermansia, comprising 1-cyclopropyl-6-fluoro-1,4-dihydro-8-methyl-7-(2-amino-3-cyano-5-pyridyl)-4-oxo-3-quinoline-carboxylic acid or a pharmaceutically acceptable salt thereof as an active ingredient.

[Claim 5] A medicament for treating and/or preventing a disease which is expected to be improved by thickening the layer of intestinal mucus, comprising 1-cyclopropyl-6-fluoro-1,4-dihydro-8-methyl-7-(2-amino-3-cyano-5-pyridyl)-4-oxo-3-quinoline-carboxylic acid or a pharmaceutically acceptable salt thereof as an active ingredient.

[Claim 6] The medicament of claim 4 or 5, wherein the disease is obesity and/or diabetes.

[Claim 7] A medicament for treating and/or preventing obesity and/or diabetes, comprising 1-cyclopropyl-6-fluoro-1,4-dihydro-8-methyl-7-(2-amino-3-cyano-5-pyridyl)-4-oxo-3-quinoline-carboxylic acid or a pharmaceutically acceptable salt thereof as an active ingredient.

[Claim 8] The medicament of any one of claims 4 to 7, which is for oral administration.

[Claim 9] The medicament of any one of claims 4 to 8, wherein the daily dose of the active ingredient is 0.1 mg - 30000 mg.

[Claim 10] A method for treating and/or preventing obesity and/or diabetes, comprising administering a therapeutically effective amount of 1-cyclopropyl-6-fluoro-1,4-dihydro-8-methyl-7-(2-amino-3-cyano-5-pyridyl)-4-oxo-3-quinoline-carboxylic acid or a pharmaceutically ac-

ceptable salt thereof to a patient in need thereof.

[Claim 11] Use of 1-cyclopropyl-6-fluoro-1,4-dihydro-8-methyl-7-(2-amino-3-cyano-5-pyridyl)-4-oxo-3-quinoline-carboxylic acid or a pharmaceutically acceptable salt thereof in the manufacture of a medicament for treating and/or preventing obesity and/or diabetes.

[Claim 12] 1-Cyclopropyl-6-fluoro-1,4-dihydro-8-methyl-7-(2-amino-3-cyano-5-pyridyl)-4-oxo-3-quinoline-carboxylic acid or a pharmaceutically acceptable salt thereof for use in treating and/or preventing obesity and/or diabetes.