Claims

[Claim 1] A medicament for treating and/or preventing inflammatory disease, 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 or a metabolite thereof as an active ingredient.

[Claim 2] The medicament of claim 1, wherein the metabolite is (2S,3S,4S,5R,6R)-6-((7-amino-5-cyanopyridin-3-yl)-1-cyclopropyl-6-fluoro-8-methyl-4-oxo-1,4-dihydroquinoline-3-carbonyl)oxo)-3,4,5-trihydroxytetrahydro-2H-pyran-2-carboxylic acid, 7-(6-amino-5-carbamoylpyridin-3-yl)-1-cyclopropyl-6-fluoro-8-methyl-4-oxo-1,4-dihydroquinoline-3-carboxylic acid, or ethyl 7-(6-amino-5-cyanopyridin-3-yl)-1-cyclopropyl-6-fluoro-8-methyl-4-oxo-1,4-dihydroquinoline-3-carboxylate.

[Claim 3] The medicament of claim 1 or 2, wherein the inflammatory disease is an inflammatory disease related to IL-17-producing cell.

[Claim 4] The medicament of any one of claims 1 to 3, wherein the inflammatory disease is systemic lupus erythematosus, rheumatoid arthritis, scleroderma, multiple sclerosis, or psoriasis.

[Claim 5] The medicament of any one of claims 1 to 4, which is for oral administration.

[Claim 6] The medicament of any one of claims 1 - 5, wherein the daily dose of the active ingredient is 7.5 mg - 24000 mg.

[Claim 7] A method for treating and/or preventing inflammatory disease, 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 acceptable salt thereof or a metabolite thereof to a patient in need thereof.

[Claim 8] 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 or a metabolite thereof in the manufacture of a medicament for treating and/or preventing inflammatory disease.

[Claim 9] 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 or a metabolite thereof for use in treating and/or preventing inflammatory disease.