CLAIMS

1. A compound, the solvate thereof, the hydrate thereof or the pharmaceutically acceptable salt thereof, wherein the compound is selected from the group consisting of the following compounds:

<33> 5-bromo-N-(5-hydroxy-3,4,6-trimethylpyridin-2-yl)-1H-indole-2-carboxamide; <35> N-(5-hydroxy-3,4,6-trimethylpyridin-2-yl)-5-methyl-1H-indole-2-carboxamide; <50> 3-chloro-6-fluoro-N-(5-hydroxy-3,4,6-trimethylpyridin-2-yl)benzo[b]thiophene-2-carboxamide; and <59> 3-chloro-6-fluoro-N-(3,4,6-trimethyl-5-(2-oxo-2-(phenylamino)ethoxy)pyridin-2-yl)benzo[b]thiophene-2-carboxamide.

2. A pharmaceutical composition comprising the compound of claim 1, a solvate thereof, a hydrate thereof or a pharmaceutically acceptable salt thereof as an active ingredient for the prevention or treatment of autoimmune disease.

3. The pharmaceutical composition according to claim 2, wherein the compound inhibits the adhesion of monocytes to intestinal epithelial cells by TNF-α or IL-6.

4. The pharmaceutical composition according to claim 2, wherein the autoimmune disease is at least one selected from the group consisting of inflammatory bowel disease, asthma, type 1 diabetes, rheumatoid arthritis, polymyalgia rheumatica, ankylosing spondylitis, psoriatic arthritis, psoriasis, eczema, sclerosis, vitiligo, multiple sclerosis, IL-17-induced dementia, peripheral neuritis, uveitis, polymyositis/dermatomyositis, autoimmune cytopenia, autoimmune myocarditis, atopic dermatitis, primary cirrhosis, dry eye syndrome, fibromyalgia, Goodpasture’s syndrome, autoimmune meningitis, Sjogren's syndrome, systemic lupus erythematosus, Addison's disease, alopecia areata, autoimmune hepatitis, autoimmune mumps, dystrophic epidermolysis bullosa, epididymitis, glomerulonephritis, Graves' disease, celiac disease, Guillain-Barré syndrome, Hashimoto's disease, hemolytic anemia, myasthenia gravis, amyotrophic lateral sclerosis, pemphigus vulgaris, rheumatic fever, sarcoidosis, skin sclerosis, spondyloarthrosis, thyroiditis, vasculitis, vitiligo, myxedema, pernicious anemia, antiphospholipid syndrome, late and chronic rejection

of solid organ transplantation, and graft-versus-host disease.

5. The pharmaceutical composition according to claim 4, wherein the inflammatory bowel disease is at least one selected from the group consisting of enteritis, colitis, ulcerative enteritis, Crohn's disease, Crohn's cytoma, irritable bowel syndrome, hemorrhagic rectal ulcer, pouchitis, peptic ulcer, intestinal Behcet's disease and gastritis.

6. A method for preventing or treating autoimmune disease comprising administering the compound of claim 1, a solvate thereof, a hydrate thereof or a pharmaceutically acceptable salt thereof to a subject in need thereof.

7. The method for preventing or treating autoimmune disease according to claim 6, wherein the compound inhibits the adhesion of monocytes to intestinal epithelial cells by TNF-α or IL-6.

8. The method for preventing or treating autoimmune disease according to claim 6, wherein the autoimmune disease is at least one selected from the

group consisting of inflammatory bowel disease, asthma, type 1 diabetes, rheumatoid arthritis, polymyalgia rheumatica, ankylosing spondylitis, psoriatic arthritis, psoriasis, eczema, sclerosis, vitiligo, multiple sclerosis, IL-17-induced dementia, peripheral neuritis, uveitis, polymyositis/dermatomyositis, autoimmune cytopenia, autoimmune myocarditis, atopic dermatitis, primary cirrhosis, dry eye syndrome, fibromyalgia, Goodpasture’s syndrome, autoimmune meningitis, Sjogren's syndrome, systemic lupus erythematosus, Addison's disease, alopecia areata, autoimmune hepatitis, autoimmune mumps, dystrophic epidermolysis bullosa, epididymitis, glomerulonephritis, Graves' disease, celiac disease, Guillain-Barré syndrome, Hashimoto's disease, hemolytic anemia, myasthenia gravis, amyotrophic lateral sclerosis, pemphigus vulgaris, rheumatic fever, sarcoidosis, skin sclerosis, spondyloarthrosis, thyroiditis, vasculitis, vitiligo, myxedema, pernicious anemia, antiphospholipid syndrome, late and chronic rejection of solid organ transplantation, and graft-versus-host disease.

9. The compound represented by formula 1 of claim 1 for use in preventing or treating autoimmune disease according to claim 8, wherein the inflammatory bowel disease is at least one selected from the group consisting of enteritis, colitis, ulcerative enteritis, Crohn's disease, Crohn's cytoma, irritable bowel syndrome, hemorrhagic rectal ulcer, pouchitis, peptic ulcer, intestinal Behcet's disease and gastritis.

10. A pharmaceutical composition comprising the compound of claim 1, a solvate thereof, a hydrate thereof or a pharmaceutically acceptable salt thereof; and a pharmaceutically acceptable excipient.

11. A use of compound of claim 1, a solvate thereof, a hydrate thereof or a pharmaceutically acceptable salt thereof for the manufacture of a medicine for preventing or treating autoimmune disease.

12. The use of compound according to claim 11, wherein the compound inhibits the adhesion of monocytes to intestinal epithelial cells by TNF-α or IL-6.

13. The use of compound according to claim 11, wherein the autoimmune disease is at least one selected from the group consisting of inflammatory bowel disease, asthma, type 1 diabetes, rheumatoid arthritis, polymyalgia rheumatica, ankylosing spondylitis, psoriatic arthritis, psoriasis, eczema, sclerosis, vitiligo, multiple sclerosis, IL-17-induced dementia, peripheral neuritis, uveitis, polymyositis/dermatomyositis, autoimmune cytopenia, autoimmune myocarditis, atopic dermatitis, primary cirrhosis, dry eye syndrome, fibromyalgia, Goodpasture’s syndrome, autoimmune meningitis, Sjogren's syndrome, systemic lupus erythematosus, Addison's disease, alopecia areata, autoimmune hepatitis, autoimmune mumps, dystrophic epidermolysis bullosa, epididymitis, glomerulonephritis, Graves' disease, celiac disease, Guillain-Barré syndrome, Hashimoto's disease, hemolytic anemia, myasthenia gravis, amyotrophic lateral sclerosis, pemphigus vulgaris, rheumatic fever, sarcoidosis, skin sclerosis, spondyloarthrosis, thyroiditis, vasculitis, vitiligo, myxedema, pernicious anemia, antiphospholipid syndrome, late and chronic rejection

of solid organ transplantation, and graft-versus-host disease.

14. The use of compound according to claim 13, wherein the inflammatory bowel disease is at least one selected from the group consisting of enteritis, colitis, ulcerative enteritis, Crohn's disease, Crohn's cytoma, irritable bowel syndrome, hemorrhagic rectal ulcer, pouchitis, peptic ulcer, intestinal Behcet's disease and gastritis.