CLAIMS

[Claim 1] A uric acid-lowering agent comprising, as an active ingredient, a tyrosine-comprising cyclic dipeptide selected from the group consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine, cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or a salt thereof.

[Claim 2] A uric acid-lowering agent comprising, as an active ingredient, a composition comprising a tyrosine-comprising cyclic dipeptide selected from the group consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine, cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or a salt thereof.

[Claim 3] The uric acid-lowering agent according to claim 2, wherein the composition is a treated product obtained by heat-treating a solution comprising a soybean peptide.

[Claim 4] A composition for lowering a uric acid level, comprising one or more tyrosine-comprising cyclic dipeptides selected from the group

consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine, cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or salts thereof.

[Claim 5] The composition for lowering a uric acid level according to claim 4, wherein the composition is a treated product obtained by heat-treating a solution comprising a soybean peptide.

[Claim 6] A xanthine oxidase inhibitor comprising, as an active ingredient, a tyrosine-comprising cyclic dipeptide selected from the group consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine, cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or a salt thereof.

[Claim 7] A xanthine oxidase inhibitor comprising, as an active ingredient, a composition comprising a tyrosine-comprising cyclic dipeptide selected from the group consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine,

cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or a salt thereof.

[Claim 8] The xanthine oxidase inhibitor according to claim 7, wherein the composition is a treated product obtained by heat-treating a solution comprising a soybean peptide.

[Claim 9] A composition for inhibiting a xanthine oxidase comprising one or more tyrosine-comprising cyclic dipeptides selected from the group consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine, cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or salts thereof.

[Claim 10] The composition for inhibiting a xanthine oxidase according to claim 9, wherein the composition is a treated product obtained by heat-treating a solution comprising a soybean peptide.

[Claim 11] One or more tyrosine-comprising cyclic dipeptides selected from the group consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine,

cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or salts thereof, for use in lowering a uric acid level.

[Claim 12] Use of one or more tyrosine-comprising cyclic dipeptides selected from the group consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine, cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or salts thereof, for lowering a uric acid level.

[Claim 13] A method for lowering a uric acid level, comprising the step of administering an effective amount of one or more tyrosine-comprising cyclic dipeptides selected from the group consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine, cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or salts thereof to an individual in need of lowering a uric acid level.

CLAIMS

[Claim 1]

A uric acid-lowering agent comprising, as an active ingredient, a tyrosine-comprising cyclic dipeptide selected from the group consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine, cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or a salt thereof, with proviso that fermented foods containing cycloprolyltyrosine, cyclotryptophanyltyrosine and cycloleucyltyrosine obtainable by fermenting lactic acid bacteria are excluded.

[Claim 2]

A uric acid-lowering agent comprising, as an active ingredient, a composition comprising a tyrosine-comprising cyclic dipeptide selected from the group consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine, cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or a salt thereof, with proviso that fermented foods containing cycloprolyltyrosine,

cyclotryptophanyltyrosine and cycloleucyltyrosine obtainable by fermenting lactic acid bacteria are excluded.

[Claim 3]

The uric acid-lowering agent according to claim 2, wherein the composition is a treated product obtained by heat-treating a solution comprising a soybean peptide.

[Claim 4]

A composition for lowering a uric acid level, comprising one or more tyrosine-comprising cyclic dipeptides selected from the group consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine, cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or salts thereof, with proviso that fermented foods containing cycloprolyltyrosine, cyclotryptophanyltyrosine and cycloleucyltyrosine obtainable by fermenting lactic acid bacteria are excluded.

[Claim 5]

The composition for lowering a uric acid level according to claim 4, wherein the composition is a treated product obtained by heat-treating a solution comprising a soybean peptide.

[Claim 6]

A xanthine oxidase inhibitor comprising, as an active ingredient, a

tyrosine-comprising cyclic dipeptide selected from the group consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine, cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or a salt thereof, with proviso that fermented foods containing cycloprolyltyrosine, cyclotryptophanyltyrosine and cycloleucyltyrosine obtainable by fermenting lactic acid bacteria are excluded.

[Claim 7]

A xanthine oxidase inhibitor comprising, as an active ingredient, a composition comprising a tyrosine-comprising cyclic dipeptide selected from the group consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine, cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or a salt thereof, with proviso that fermented foods containing cycloprolyltyrosine, cyclotryptophanyltyrosine and cycloleucyltyrosine obtainable by fermenting lactic acid bacteria are excluded.

[Claim 8]

The xanthine oxidase inhibitor according to claim 7, wherein the composition is a treated product obtained by heat-treating a solution comprising a soybean peptide.

[Claim 9]

A composition for inhibiting a xanthine oxidase comprising one or more tyrosine-comprising cyclic dipeptides selected from the group consisting of cyclotryptophanyltyrosine, cycloseryltyrosine, cycloprolyltyrosine, cyclotyrosylglycine, cyclotyrosyltyrosine, cyclophenylalanyltyrosine, cycloleucyltyrosine, cyclolysyltyrosine, cyclohistidyltyrosine, cycloalanyltyrosine, cycloglutamyltyrosine, cyclovalyltyrosine, cycloisoleucyltyrosine, cyclothreonyltyrosine, cycloaspartyltyrosine, cycloasparaginyltyrosine, cycloglutaminyltyrosine, cycloarginyltyrosine, cyclomethionyltyrosine, and cyclotyrosylcysteine, or salts thereof, with proviso that fermented foods containing cycloprolyltyrosine, cyclotryptophanyltyrosine and cycloleucyltyrosine obtainable by fermenting lactic acid bacteria are excluded.

[Claim 10]

The composition for inhibiting a xanthine oxidase according to claim 9, wherein the composition is a treated product obtained by heat-treating a solution comprising a soybean peptide.