ophthalmically acceptable medium to form a suspension and sterilizing said suspension in an autoclave; b) suspending dexamethasone in an ophthalmically acceptable medium to form a suspension and sterilizing said suspension in an autoclave; c) mixing the compositions of steps a) and b) and heating the mixture at a temperature T1 lower than 120°C for a time t; d) cooling the resulting solution to a temperature T2 to obtain an ophthalmic composition comprising solid complex aggregates of a plurality of inclusion complexes each inclusion complex comprising dexamethasone and γ-cyclodextrin, wherein temperature T1 is 80 to 110°C, in particular 80 to 105°C, more particularly 80 to 100°C and, wherein temperature T2 is 10 to 40°C, in particular 15 to 35°C, more particularly 20 to 30°C, and wherein temperature T1 is cooled to temperature T2 with a rate of 1 to 25°C/min, in particular 2 to 20°C/min, more particularly 5 to 18°C/min. In another example, the present disclosure refers to an ophthalmic composition obtainable by the methods of the present disclosure. In yet another aspect, the present disclosure refers to an ophthalmic composition obtainable by the method as disclosed herein, wherein the ophthalmic composition comprises less than 0.5%, in particular less than 0.3%, more particularly less than 0.2%, by weight of dexamethasone enol aldehyde based on the weight of the dexamethasone. In yet another example, the present disclosure refers a use of the ophthalmic composition of the present disclosure in the manufacture of a medicament for the treatment of an ocular condition, in particular an anterior ocular condition or a posterior ocular condition, more particularly uveitis and macular edema. In a final example, the present disclosure refers the ophthalmic compositions of the present disclosure for use as a medicament as an eye drop solution.

[00010] Cyclodextrins are well-known to enhance the solubility and bioavailability of hydrophobic compounds. In aqueous solutions, cyclodextrins form inclusion complexes with many active pharmaceutical ingredients. The bottom-up preparation of active pharmaceutical ingredient/cyclodextrin complexes involves suspending an active pharmaceutical ingredient and a cyclodextrin in an aqueous medium and heating the resulting suspension. Upon dissolution of the active pharmaceutical ingredient and the cyclodextrin, complexes of active pharmaceutical ingredient and cyclodextrin are formed. The hot solution is subsequently cooled to precipitate the solid complexes of active pharmaceutical ingredient and cyclodextrin.

[00011] Applicants have surprisingly found that the diameter of the particles and the viscosity of the composition can be tailored with the heating and cooling steps and the presence of stabilizing polymers in the aqueous medium. To prevent

WHAT IS CLAIMED IS:

1. An ophthalmic composition comprising, in an ophthalmically acceptable medium:

solid complex aggregates of a plurality of inclusion complexes each inclusion complex comprising dexamethasone and γ-cyclodextrin, in which the complex aggregates have a diameter D_{50} of 1 to 25 µm,

wherein the composition comprises less than 0.5%, in particular less than 0.3%, more particularly less than 0.2%, by weight of dexamethasone enol aldehyde based on the weight of the dexamethasone.

2. The ophthalmic composition according to Claim 1, wherein the composition further comprises a polymer, for example poloxamer.

3. The ophthalmic composition according to Claim 2, in which the amount of polymer is 0.5 to 5%, in particular 1 to 4%, more particularly 2 to 3%, more particularly 2.2 to 2.8% by weight based on the weight of the composition.

4. An ophthalmic composition according to any one of claims 1 to 3, in which the dexamethasone is present in the composition at a concentration of 10 mg/mL to 20 mg/mL.

5. An ophthalmic composition according to any one of claims 1 to 4, in which 60 to 95% by weight, in particular 70 to 90% by weight, of the dexamethasone in the composition is in the form of solid complexes.

6. An ophthalmic composition according to claim 5, in which 40% to 80% by weight of the dexamethasone in the composition is in the form of solid complex aggregates with a diameter of greater than 1 µm.

7. An ophthalmic composition according to any one of claims 1 to 6, in which the amount of γ-cyclodextrin is from 1 to 25%, in particular 5 to 20%, more particularly 10

to 18%, even more particularly 12 to 16% by weight, based on the weight of the composition.

8. An ophthalmic composition according to any one of claims 1 to 7, in which the solid complex aggregates have a diameter D_{50} of 2 to 10 µm, even more particularly 3 to 8 µm.

9. An ophthalmic composition according to any one of claims 1 to 8, wherein the composition comprises:

- 1 to 2% of dexamethasone, for example 1.5% of dexamethasone;
- 12 to 16% of γ-cyclodextrin, for example 14% of γ-cyclodextrin;
- 2.2 to 2.8% of polymer, for example 2.5% of poloxamer;
- 0 to 0.04% of preservatives, for example 0.02% of benzalkonium chloride;
- 0 to 0.2% of stabilizing agent, for example 0.1% of disodium edetate;
- 0 to 1% of electrolyte, for example 0.57% of sodium chloride; and
- water;

wherein the % are % by weight based on the weight of the composition.

10. A method of preparing an ophthalmic composition, comprising the steps of:

a) suspending γ-cyclodextrin in an ophthalmically acceptable medium to form a suspension and sterilizing said suspension in an autoclave;

b) suspending dexamethasone in an ophthalmically acceptable medium to form a suspension and sterilizing said suspension in an autoclave;

c) mixing the compositions of steps a) and b) and heating the mixture at a temperature T1 lower than 120°C for a time t;

d) cooling the resulting solution to a temperature T2 to obtain an ophthalmic composition comprising solid complex aggregates of a plurality of inclusion complexes each inclusion complex comprising dexamethasone and γ-cyclodextrin,

wherein temperature T1 is 80 to 110°C, in particular 80 to 105°C, more particularly 80 to 100°C and,

wherein temperature T2 is 10 to 40°C, in particular 15 to 35°C, more particularly 20 to 30°C,

and wherein temperature T1 is cooled to temperature T2 with a rate of 1 to 25°C/min, in particular 2 to 20°C/min, more particularly 5 to 18°C/min.

11. An ophthalmic composition obtainable by the method according to claim 10, wherein the ophthalmic composition comprises less than 0.5%, in particular less than 0.3%, more particularly less than 0.2%, by weight of dexamethasone enol aldehyde based on the weight of the dexamethasone.