CLAIMS

1. A method for stabilizing an aqueous solution of a salt of deoxycholic acid against precipitation during a shelf life, comprising forming an aqueous solution of a deoxycholic acid salt at an initial pH above the pKa of the deoxycholic acid salt and adjusting the pH of the aqueous solution to be 8 or above, wherein the aqueous solution comprises from about 0.4% w/v to less than 2% w/v deoxycholic acid salt and a pharmaceutically acceptable excipient.

2. A method for stabilizing an aqueous solution of a salt of deoxycholic acid against precipitation during a shelf life, comprising forming an aqueous solution of a deoxycholic acid salt at an initial pH above the pKa of the deoxycholic acid salt and adjusting the pH of the aqueous solution to be about 8, wherein the aqueous solution comprises from about 0.4% w/v to less than 2% w/v deoxycholic acid salt and a pharmaceutically acceptable excipient.

3. A method for stabilizing an aqueous solution of a salt of deoxycholic acid against precipitation during a shelf life, comprising forming an aqueous solution of a deoxycholic acid salt at an initial pH above the pKa of the deoxycholic acid salt and adjusting the pH of the aqueous solution to be 8 or above, wherein the aqueous solution comprises: from about 0.05% w/v to less than 2% w/v deoxycholic acid salt; and a pharmaceutically acceptable excipient, a pharmaceutically acceptable carrier, or both.

4. A method for stabilizing an aqueous solution of a salt of deoxycholic acid against precipitation during a shelf life, comprising forming an aqueous solution of a deoxycholic acid salt at an initial pH above the pKa of the deoxycholic acid salt and adjusting the pH of the aqueous solution to be about 8, wherein the aqueous solution comprises: from about 0.05% w/v to less than 2% w/v deoxycholic acid salt; and a pharmaceutically acceptable excipient, a pharmaceutically acceptable carrier, or both.

5. The method of any one of claims 1-4, further comprising including a sufficient amount of a buffer to maintain the pH.

6. The method of any one of claims 1-5, wherein precipitation of the deoxycholic acid salt is substantially inhibited for a period of at least six months.

7. The method of claim 6, wherein precipitation of the deoxycholic acid salt is substantially inhibited for a period of at least about six months at a temperature of from about 17 ºC to about 27 ºC, from about 25 ºC to about 37 ºC, or from about 2 ºC to about 8 ºC.

8. The method of any one of claims 1-7, wherein the pH is adjusted to be between about 8.1 and about 8.5.

9. The method of any one of claims 1-8, wherein the pH is adjusted to be between about 8.2 and about 8.5.

10. The method of any one of claims 1-9, wherein the pH is adjusted to about 8.3.

11. The method of any one of claims 1-10, wherein the deoxycholic acid salt is present in an amount from about 0.5% w/v to about 1% w/v.

12. The method of any one of claims 1-11, wherein the deoxycholic acid salt is present in an amount of about 1% w/v.

13. The method of any one of claims 1-12, wherein the excipient is a solvent, a buffer, a preservative, a lyophilization aid, or a combination thereof.

14. The method of claim 13, wherein the excipient is a solvent.

15. The method of claim 13 or 14, wherein the excipient is sterile water.

16. The method of claim 13, wherein the excipient is a preservative.

17. The method of claim 13 or 16, wherein the excipient is benzyl alcohol.

18. The method of claim 13 or 16, wherein the excipient is 0.9% w/v benzyl alcohol.

19. The method of any one of claims 1-18, wherein the solution is subcutaneously injectable.

20. The method of any one of claims 1-19, wherein the salt is a sodium salt.