CLAIMS:

1. A taste-masked microcapsule pharmaceutical composition of a bisquinoline drug, wherein the microcapsule comprises a drug core of a pharmaceutically effective amount of piperaquine tetraphosphate tetrahydrate and a coating over the core of ethylcellulose, and having an average weight of the coating of said microcapsule of from about 5 to about 30 % weight of the total weight of the microcapsule composition.

2. The composition of claim 1, wherein the coating is deposited by coacervation.

3. The composition of claim 1 or claim 2, wherein the average weight of the coating of said microcapsule is from about 10 to about 20 % weight of the total weight of the microcapsule composition.

4. The composition of any one of claims 1-3, in combination with another active agent.

5. The composition of claim 4, wherein the other active agent is chemically sensitive.

6. The composition of any one of claims 1-5 is in a form of a free-flowing material, of a powder, tablet, capsule or sachet.

7. The composition of claim 6, wherein the tablet is chewable or orally dispersible tablet.

8. A process for preparing composition of any one of claims 1-7, comprising:

(a) forming a mixture comprising a drug core of a pharmaceutically effective amount of piperaquine tetraphosphate tetrahydrate, ethylecellulose, and an organic solvent,

(b) inducing the phase separation of ethylcellulose from the solvent onto the drug, and

(c) separating the composition from the organic solvent.

9. The process of claim 8, wherein step (a) further comprises a material for promoting phase separation of ethylcellulose.

10. The process of claim 8 or claim 9, wherein material for promoting phase separation is selected from the group consisting of polyethylene, polyisobutylene, butyl rubber, polybutadiene, organosilicon polymer, and paraffin.

11. The process of claim 10, wherein the material is polyethylene.

12. The process of claim 8, further comprising steps:

(d) mixing the separated composition and at least one other excipient to prepare a compressible blend and

(e) compressing said compressible blend into tablets.

13. The process of claim 12 further comprising adding in step (d) at least one other chemically sensitive active agent.