That which is claimed:

1. A non-aqueous docetaxel liquid pro-emulsion formulation comprising:

an anhydrous docetaxel or a hydrate thereof;

an oil component in an amount ranging from 0.3 to 5% w/w;

an organic acid component;

a surfactant component; and

a non-aqueous solvent component in an amount ranging from 15 to 65 % w/w, which is polyethylene glycol;

wherein the amounts of the docetaxel and oil components differ by 50% w/w or less.

2. The pro-emulsion formulation according to Claim 1, wherein the oil is selected from the group consisting of synthetic oils, vegetable oils, tocopherols and combinations thereof.

3. The pro-emulsion formulation according to any of the preceding claims, wherein the surfactant component is present in an amount ranging from 10 to 98 % w/w.

4. The pro-emulsion formulation according to Claim 1, wherein the surfactant is polysorbate 80.

5. The pro-emulsion formulation according to any of Claims 1 to 4, wherein the organic acid component is selected from the group consisting of acetic acid, lactic acid, and citric acid.

6. The pro-emulsion formulation according to any of Claims 1 to 4, wherein the organic acid component is lactic acid.

7. The pro-emulsion formulation according to any of Claims 1 to 4, wherein the oil is selected from the group consisting of soybean oil, olive oil, sesame oil, corn oil, a medium chain triglyceride, a tocopherol or derivative thereof, and combinations thereof.

8. A docetaxel emulsion composition produced by combining a pro-emulsion composition according to any of Claims 1 to 7 with an aqueous medium.

9. A kit comprising:

(a) a docetaxel pro-emulsion formulation according to any of Claims 1 to 4; and
(b) an aqueous medium.

10. A method of making a docetaxel pro-emulsion formulation according to any of Claims 1 to 4, the method comprising combining docetaxel, an oil component, a surfactant component, and a non-aqueous solvent in a manner sufficient to produce a docetaxel pro-emulsion according to any of Claims 1 to 4.

11. The pro-emulsion formulation according to claim 1, comprising:

an anhydrous docetaxel or a hydrate thereof;

an oil component, selected from the group consisting of soybean oil, olive oil, sesame oil, corn oil, a medium chain triglyceride, a tocopherol or derivative thereof, and combinations thereof, in an amount ranging from 0.3 to 5% w/w;

an organic acid component;

a surfactant component, which is polysorbate 80, in an amount ranging from 10 to 98% w/w; and

a non-aqueous solvent component in an amount ranging from 15 to 65 % w/w, which is polyethylene glycol;

wherein the amounts of the docetaxel and oil components differ by 50% w/w or less.