CLAIMS

1. A stable intratumor injectable formulation of a water insoluble chemotherapeutic agent, consisting of a therapeutically effective amount of a chemotherapeutic agent selected from paclitaxel and docetaxel in a pharmaceutically acceptable biocompatible carrier for injection comprising a medium chain triglyceride, and an optional solvent which when included consists of a non-aqueous solvent, wherein the injectable formulation is stable and suitable for intratumor administration as a solution and is a colorless and transparent non-aqueous solution that does not include cholesterol, a phospholipid, a protein, or surfactant.

2. The intratumor injectable formulation of claim 1, wherein the chemotherapeutic agent is paclitaxel.

3. The intratumor injectable formulation of claim 2, wherein the medium chain triglyceride is an esterification product of an acid selected from the group consisting of caproic acid, caprylic acid, capric acid, lauric acid, and mixtures thereof, and wherein the intratumor injectable formulation further comprises a hydroalcoholic solvent.

4. The intratumor injectable formulation of claim 1, wherein the chemotherapeutic agent is docetaxel.

5. An intratumor injectable formulation kit, comprising a first vial containing a powdered water insoluble chemotherapeutic agent selected from paclitaxel and docetaxel, and a second vial containing the pharmaceutically acceptable excipients needed to deliver the chemotherapeutic agent to a tumor, the pharmaceutically acceptable excipients consisting of a pharmaceutically acceptable biocompatible carrier comprising a medium chain triglyceride, and an optional solvent which when included consists of a non-aqueous solvent, wherein the injectable formulation is suitable for intratumor administration as a solution that is stable, colorless, transparent and non-aqueous and does not include cholesterol, a phospholipid, a protein, or surfactant.

6. The intratumor injectable formulation of claim 1, wherein the injectable solution is capable of being passed through a 0.22-micron filter.