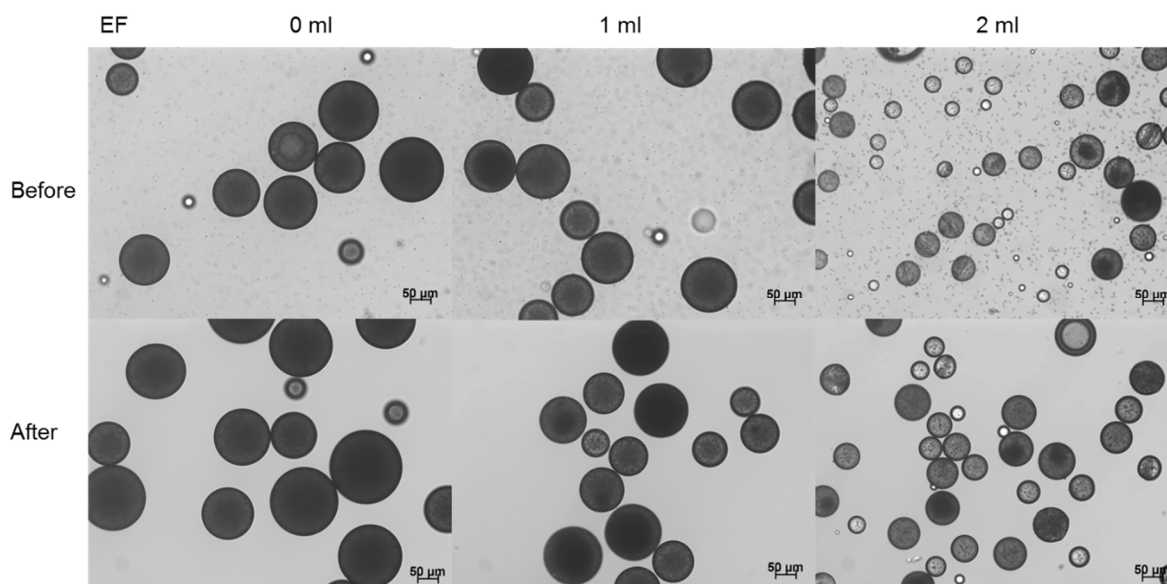


Supplementary Materials: Qualification of Non-Halogenated Organic Solvents Applied to Microsphere Manufacturing Process

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Figure S1. LM photograph of PLGA agglomerates appearing in an EA microsphere suspension. To prepare microspheres, a dispersed phase (250 mg PLGA/70 mg progesterone/3 ml EA) was emulsified in an EA-free aqueous phase. When the emulsion was subject to solvent removal, not only embryonic microspheres but also fiber-like PLGA agglomerates were generated. The bar size is 500 μm .



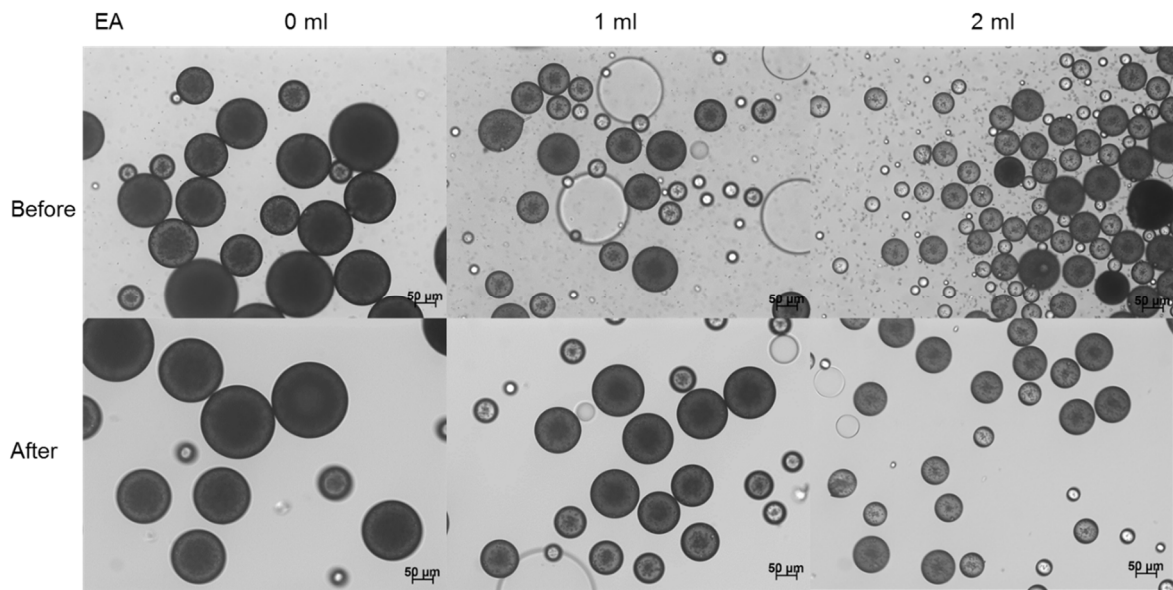


Figure S2. LM photographs of (top) EF and (bottom) EA microspheres suspensions before and after wet sieving. A dispersed phase (250 mg PLGA/70 mg progesterone/3 ml EF or EA) was emulsified in an aqueous phase in which 0 to 2 ml of the solvent was pre-dissolved. The bar size is 50 μm .

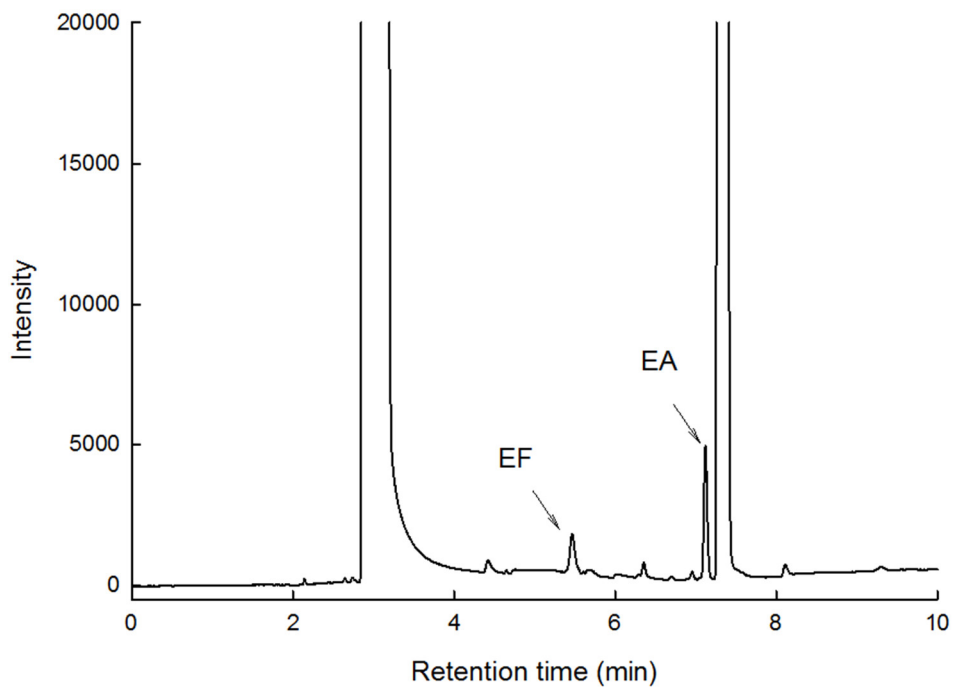


Figure S3. A typical GC chromatogram of a microsphere sample that followed the analytical procedure described in text. Arrows on the gas chromatogram indicate the peaks of EF and EA.