Supporting Information

Electrospray biodegradable microcapsules loaded with curcumin for drug delivery systems with high bioactivity

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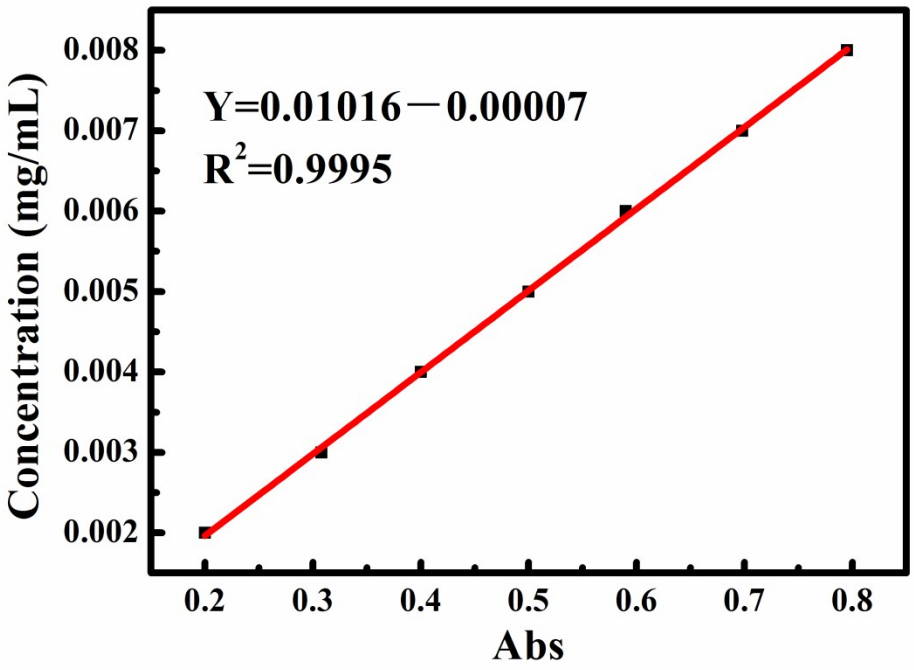

Fig. S1 The calibration curve of Cur by plotting the absorption intensity at 425 nm with respect to concentration of Cur.

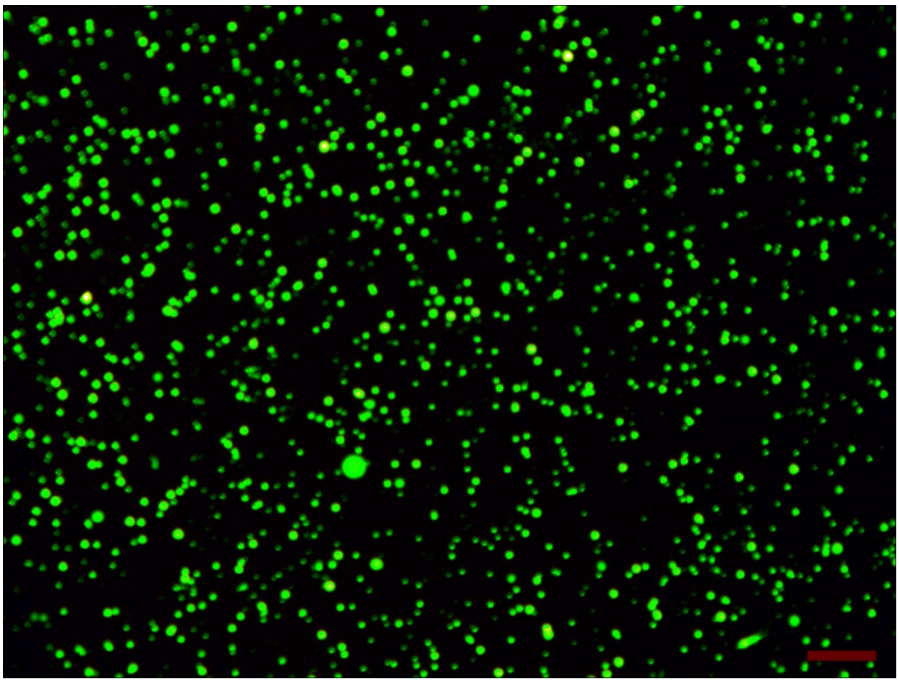

Fig. S2 Fluorescent microscope image of C_{10}PLA microcapsules with 488 nm fluorescence. (Scale bar = 20 μm).

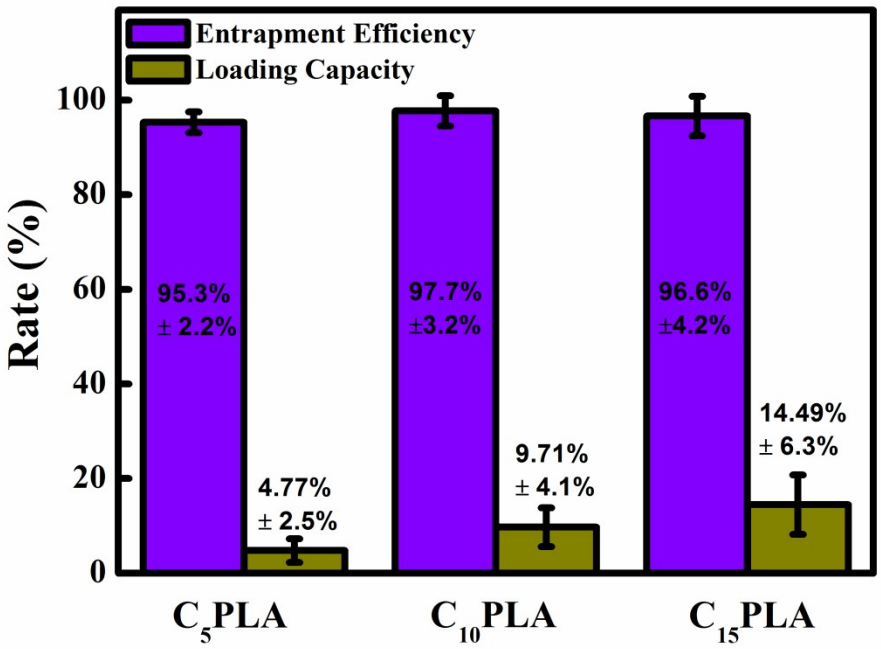

Fig. S3 The LC (%) and EE (%) of C_5PLA, C_{10}PLA and C_{15}PLA fabricated by ES process, respectively.

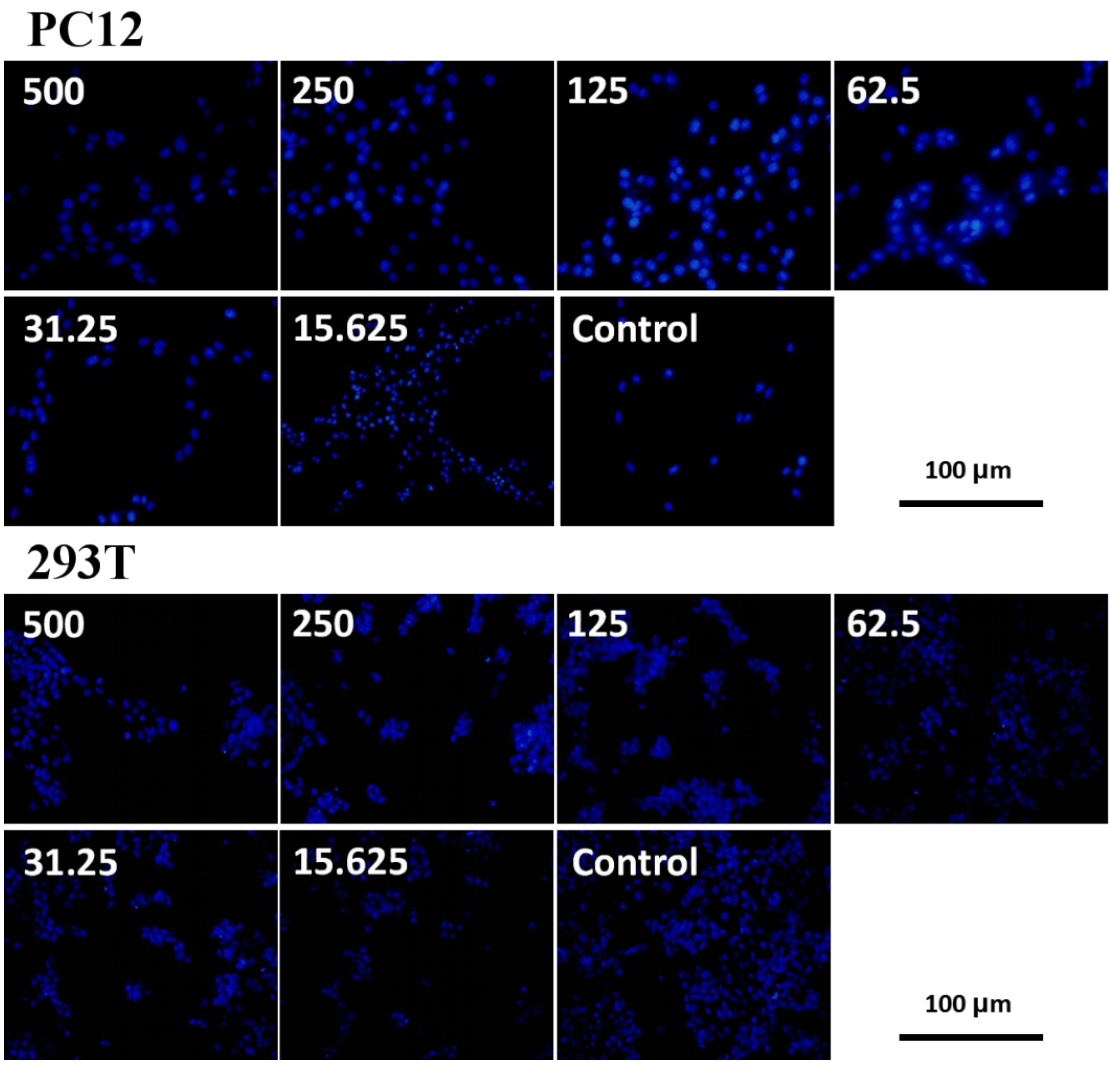

Fig. S4 Immunofluorescence microscopy analysis of apoptosis in PC12 cells and 293T cells induced by C_0PLA at different curcumin concentrations (ranging from 15.625 to 500 μg/mL).

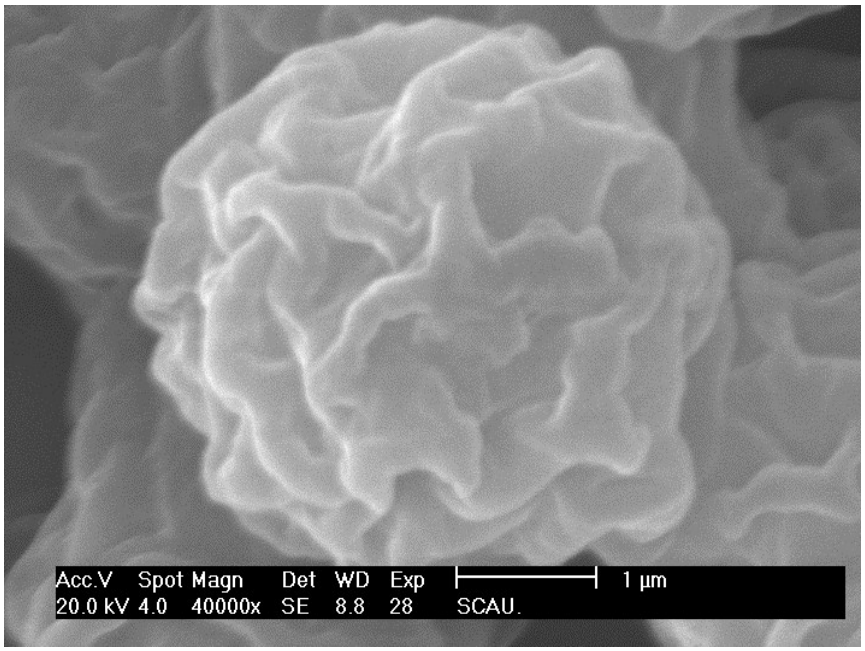

Fig. S5 SEM of C_{10}PLA microcapsule surface with high magnitude.