Preparation of levodopa-loaded crystalsomes through thermally induced crystallization reverses functional deficits in Parkinsonian mice

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Differential Scanning Calorimeter for PLLA

Supplementary figure 1. DSC for pure PLLA. The results showed that the crystallization temperature is 95°C. Thus, in the preparation process of crystalsomes, the quenching temperature was controlled more than 95°C.
SEM image for quenching to the temperature below the spinodal curve

Supplementary figure 2. SEM image for quenching to low temperature. The results showed that flat and square structure crystals were formed when quenching the emulsion to the temperature below the spinodal curve.
Calibration curve of levodopa

Supplementary figure 3. Calibration curve of levodopa. The curve was established according to the absorbance of 278nm of levodopa. Then, the releasing rate of LD was calculated according to the amount of LD in the solution.