

Supporting Information

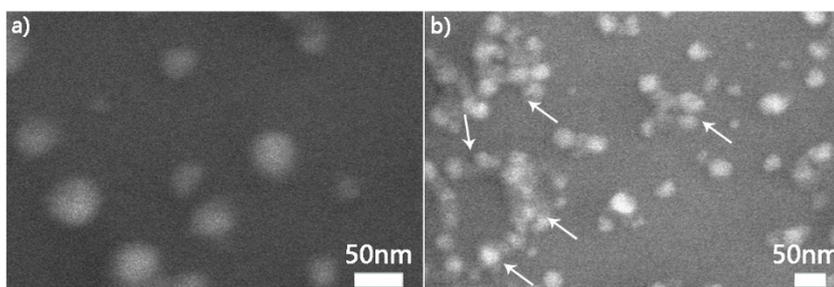


Fig. S1. SEM images of nanospheres (a) and intermediate precursors (b); arrows show the precursors assembled by the nanospheres.

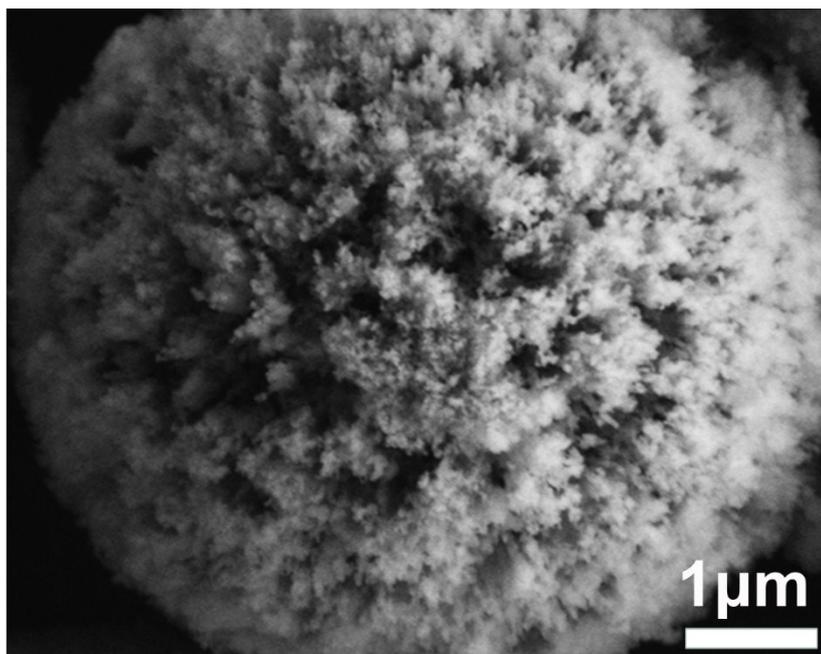


Fig. S2. SEM image of Eda@CaCO₃-EW MS extracted from osteoblasts at 6 h after the uptake, showing the partly deconstruction due to the pH stimulation from the extracellular acid microenvironment.

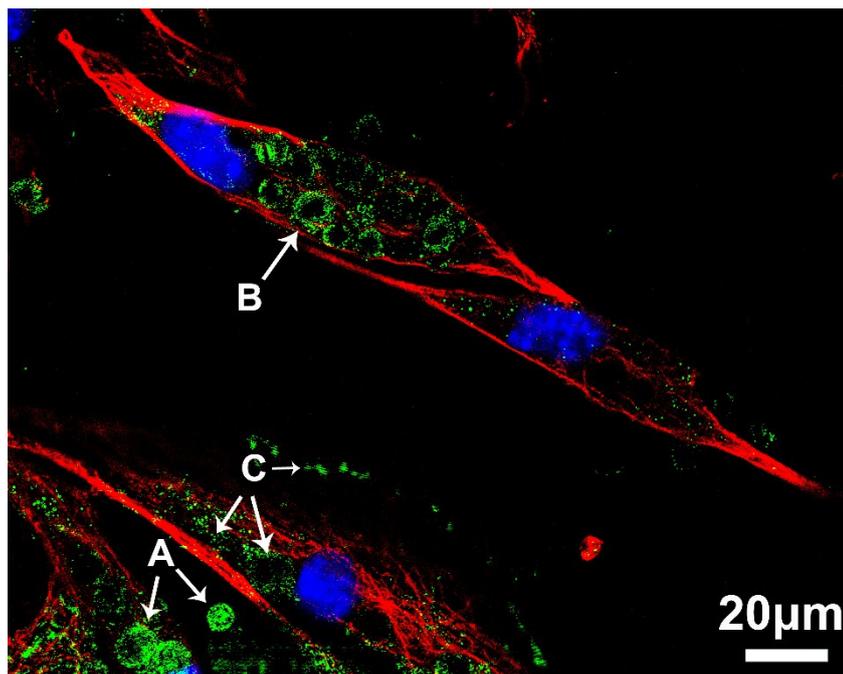


Fig. S3. CLSM image of the Eda@CaCO₃-EW MSs internalized into osteoblasts. The nuclei were stained into blue by Hoechst 33258, the cytoskeleton was stained into red by Phalloidin, the Eda@CaCO₃-EW MSs were stained into green by FITC. Arrows in zone A indicate the complete microspheres; arrows in B indicate the partly deconstructed ones; and arrows in C show the totally collapsed microspheres.

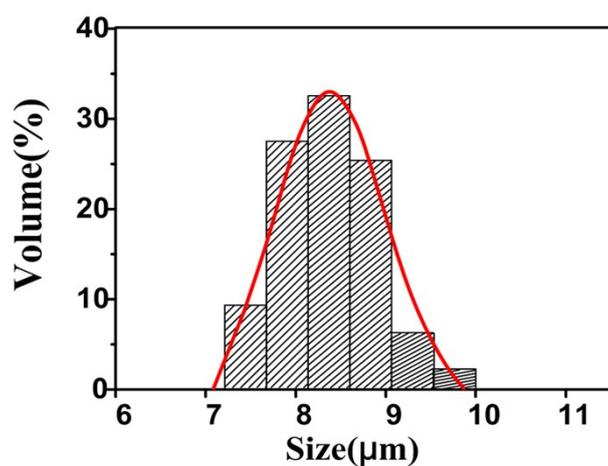


Fig. S4. Size distribution of the obtained samples.

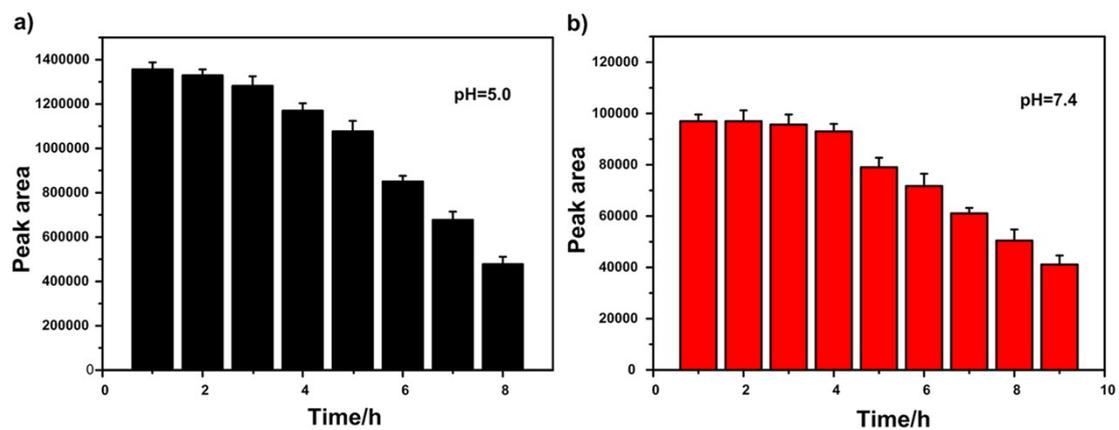


Fig. S5. The peak area at different release time. (a) pH=5.0; (b) pH=7.4.