Supplementary Material

1.1 Supplementary Figures

**Supplementary Figure 1.** The mean hydrodynamic diameter of RSA-Dox-Ato NPs was monitored by DLS under room temperature for 6 days.

**Supplementary Figure 2.** The zeta potential of nanoparticles.
**Supplementary Figure 3.** The release of RSA-Dox-Ato under different pH condition

**Supplementary Figure 4.** The mean fluorescence intensity of RSA-Dox-Ato in 4T1 tumor cells.