Overcoming drug resistance with functional mesoporous titanium dioxide nanoparticles combining targeting, drug delivery and photodynamic therapy

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Fig. S1. Schematic illustration of the synthesis of ADH-1-HA.

Fig. S2. The UV-Vis spectroscopy of DOX, MTN and MTN/DOX.
Fig. S3. Cell viability of MTN, HA-MTN, ADH-1-HA-MTN in vitro by CCK-8 assay after 24 h incubation with indicated concentrations of different formulations. Data are presented as mean ± SD (n = 4). No significant cytotoxicity was observed in the various kinds of formulations treated groups compared with the control.

Fig. S4. Cell viability after different time duration of X-ray irradiation measured by CCK-8 assay. Data are presented as mean ± SD (n = 3). No significant cytotoxicity was observed within 30 min of X-ray irradiation.