Supporting Information

**Cellular Interactions of Doxorubicin-Loaded DNA-Modified Halloysite Nanotubes**

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Figure S1. Size (diameter and length) distribution of (A) DNA-wrapped HNTs (HD) and (B) doxorubicin-loaded, DNA-wrapped HNTs (HDD) obtained from TEM images. 50 HD and 30 HDD counted for analysis. The solid line shows Gaussian distribution.
Figure S2. Doxorubicin release profile at pH 7.4.
Figure S3. SEM images of A549 cells after treatment of HD (500 µg/ml) for (A) 2 hours, (B) 12 hours, and (C) 24 hours.
Figure S4. SICM images (normal mode with z-axis scale) of (A) untreated A549 cells, after exposure to HDD (500 µg/ml) for (B) 2 hours, and (C) 12 hours.