Solubilization of Single-walled Carbon Nanotubes by Supramolecular Complexes of Barbituric Acid and Triaminopyrimidines
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Supporting Information

Figure S1 \textsuperscript{1}H NMR spectra of (A) 4, (B) 3, and (C) 3+4.
Figure S2  Vis-NIR absorption spectrum of SWNTs in a 1-methyl-2-pyrrolidone (NMP) solution after HSVM in the presence of 1+4 (green solid line), 2+4 (blue solid line), and 3+4 (red solid line) at 25°C (1 mm cell).
Figure S3  Raman spectra of thin films of 1+4 (green line), 2+4 (blue line), and 3+4 (red line) prepared using the HSVM method and 3+4 (black line) prepared using the sonication method.
Figure S4  Tapping mode AFM images of SWNTs: (A) 1+4·SWNTs, (B) 2+4·SWNTs, and (C) 3+4·SWNTs complexes obtained using a HSVM method and (D) 3+4·SWNTs complex obtained using a sonication method. Each scan area is 2.0 μm × 2.0 μm. Height profiles of (E) 1+4·SWNTs, (F) 2+4·SWNTs, and (G) 3+4·SWNTs complexes obtained using the HSVM method and (H) 3+4·SWNTs complex obtained using the sonication method are measured along the blue lines in (A), (B), (C), and (D), respectively.