Synthesis of covalently attached hexadecaanilines on carbon nanotubes—toward electronic nanocarbon preparation


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Figure S1. Chromatographic diagram (HPLC) of oligoaniline (OAni) fractions obtained from a sequence of separation procedures. (a) crude reaction products showing a number of oligoanilines, (b)–(e) intermediate fractions of oligoanilines showing progressive reduction of low molecular weighted OAni, and (f) single chromatographic band of hexadecaaniline (A16).
Figure S2. $^1$H NMR spectra (DMSO-$d_6$) of (a) hexadecaaniline–eicosaaniline ($A_{16/20}$) and DMF-soluble MWNT-($A_{16/20}$)$_x$ isolated from the reaction carried out at temperatures of (b) $-10$ °C, (c) 25–45 °C, and (d) 60 °C for 3 h.