

Electronic Supplementary Information

Fluorescent Chromophore Functionalized Single-wall Carbon Nanotubes with Minimal Alteration to their Characteristic One-dimensional Electronic States

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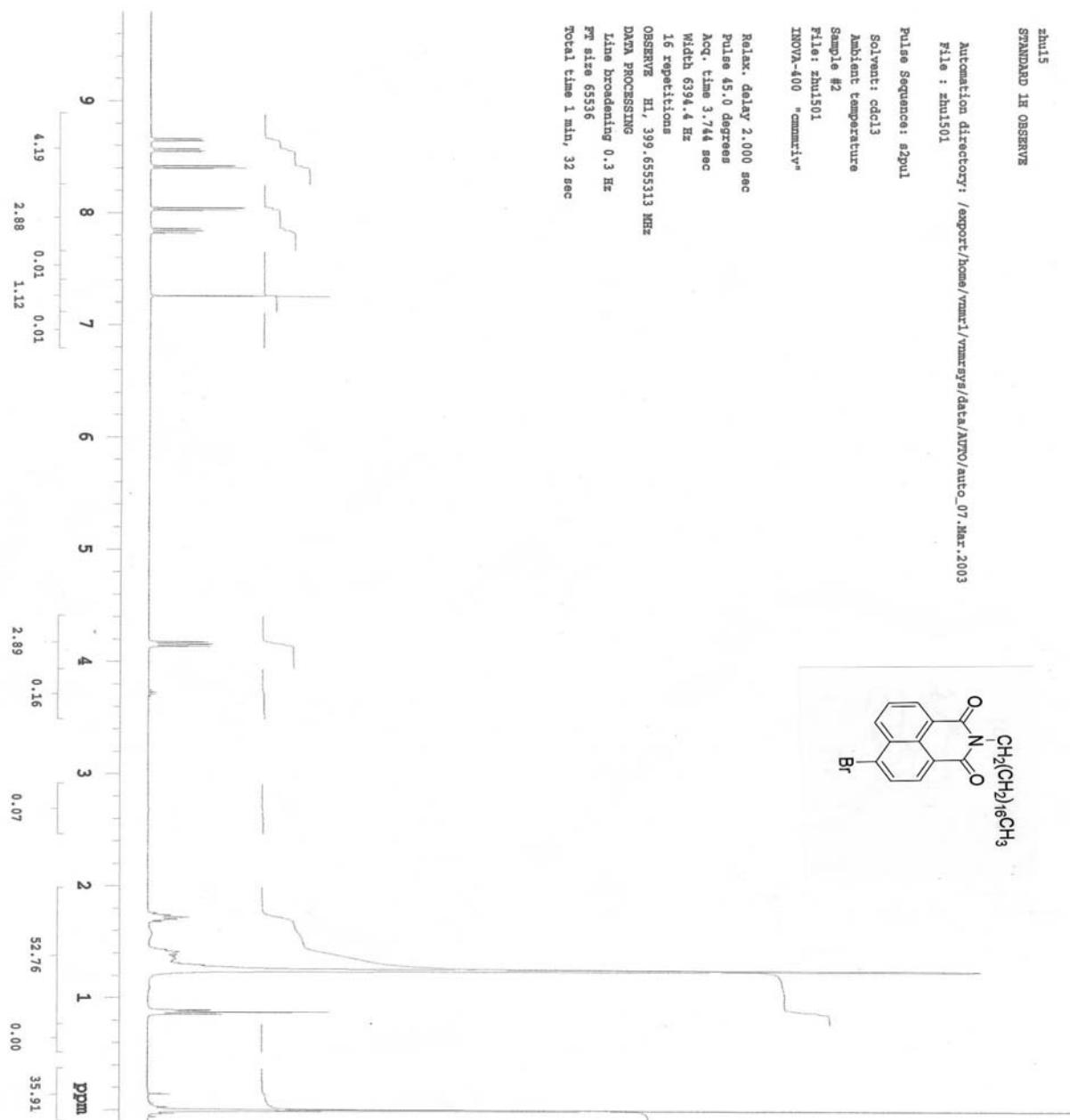


Fig. S1 ^1H -NMR spectrum of 4-bromo-N-octadecyl-1,8-naphthalimide (**II**)

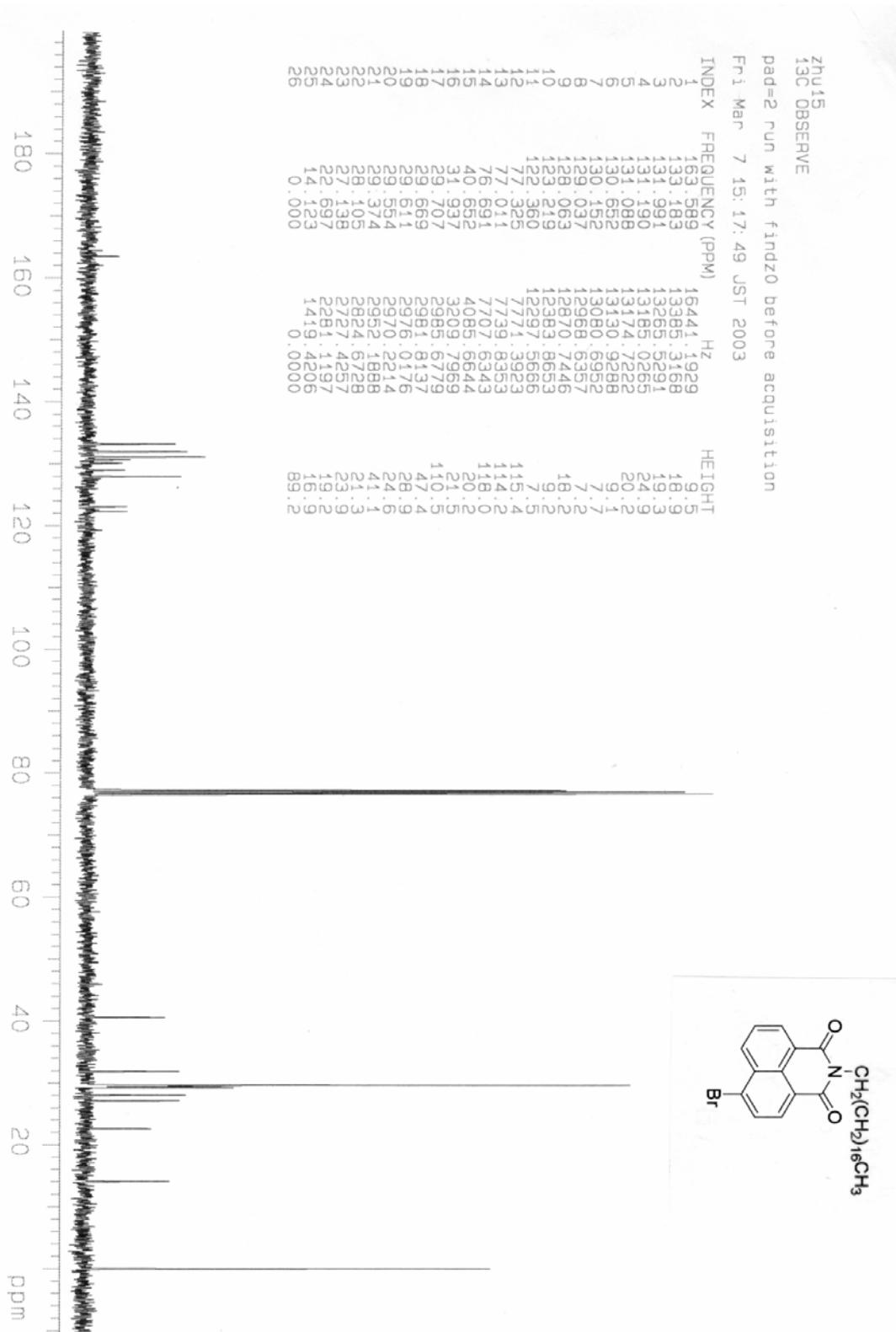


Fig. S2 ¹³C-NMR spectrum of 4-bromo-N-octadecyl-1,8-naphthalimide (II)

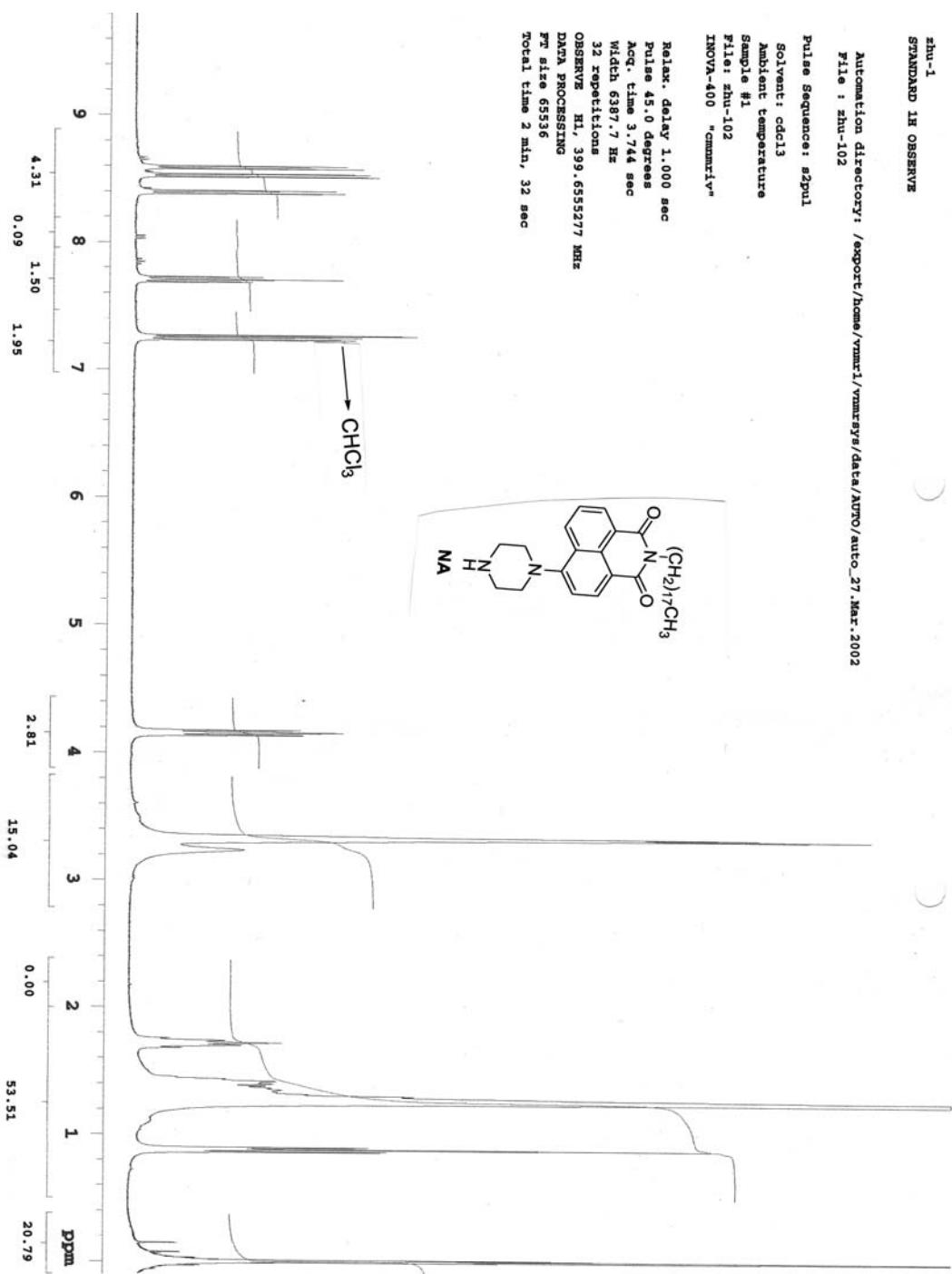


Fig. S3 ¹H-NMR spectrum of N-octadecyl-4-piperazin-1-yl-1,8-naphthalimide (NA)

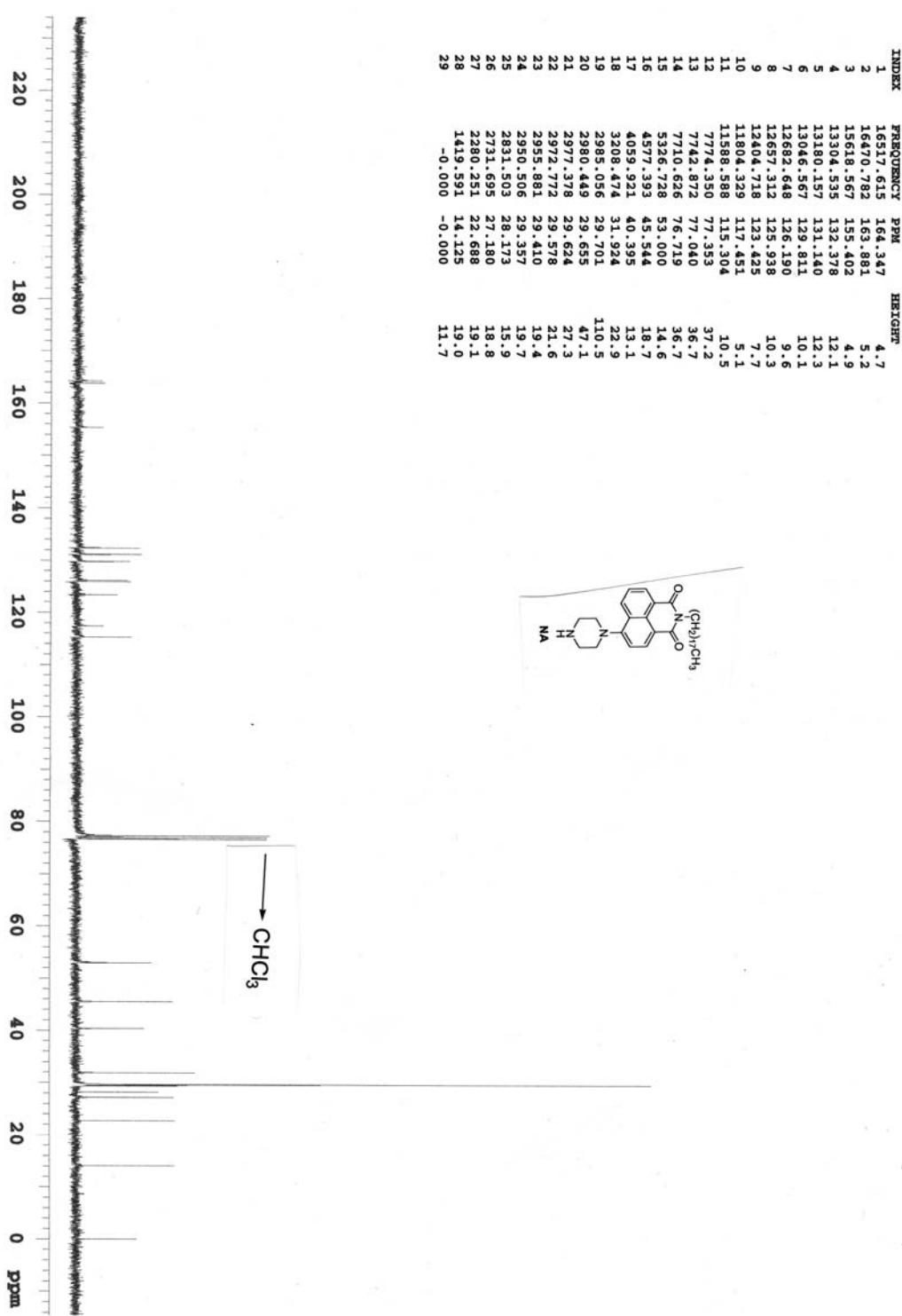


Fig. S4 ^{13}C -NMR spectrum of N-octadecyl-4-piperazin-1-yl-1,8-naphthalimide (NA)

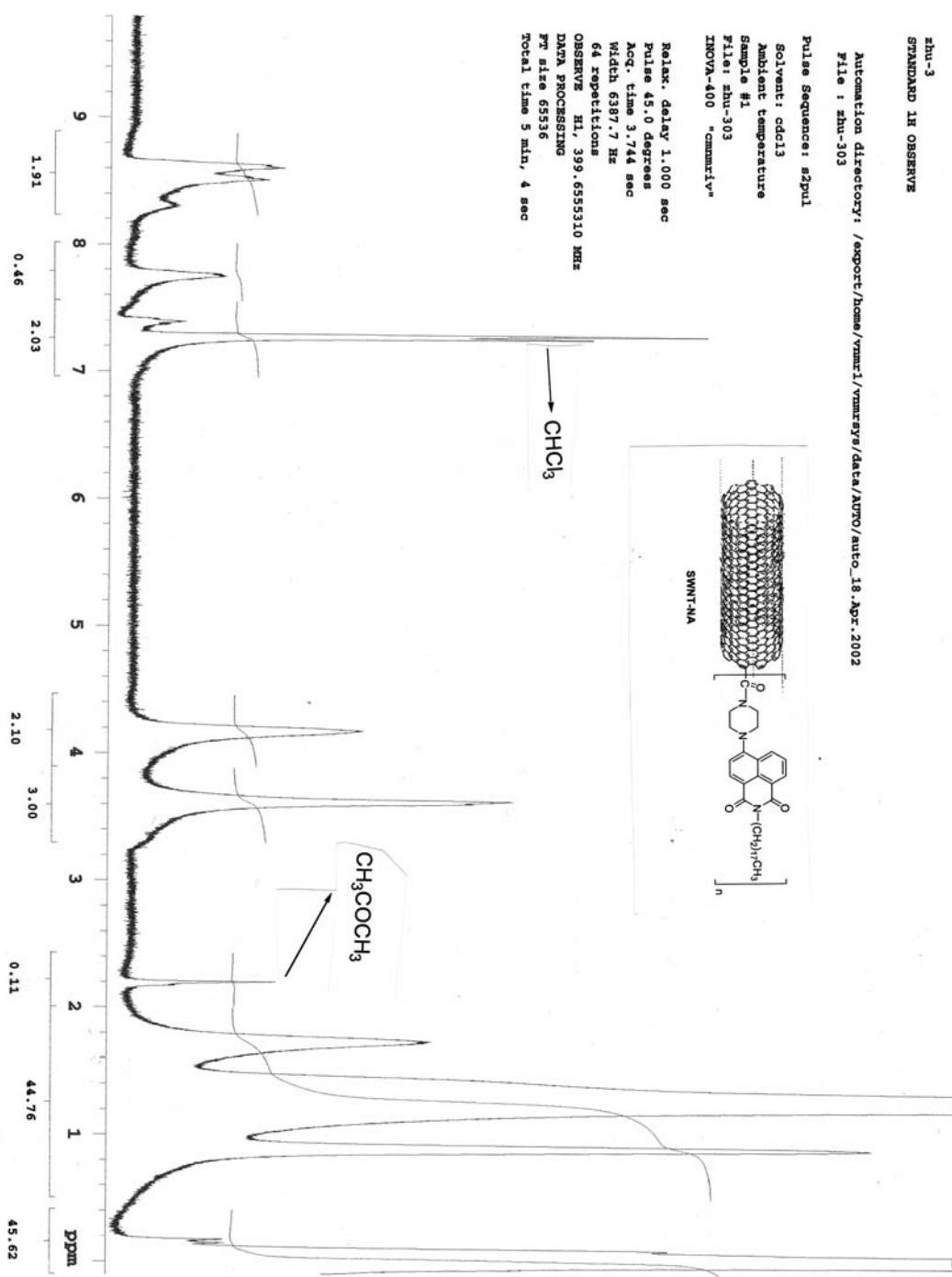


Fig. S5 ¹H-NMR spectrum of chromophore functionalized SWNTs (SWNT-NA)

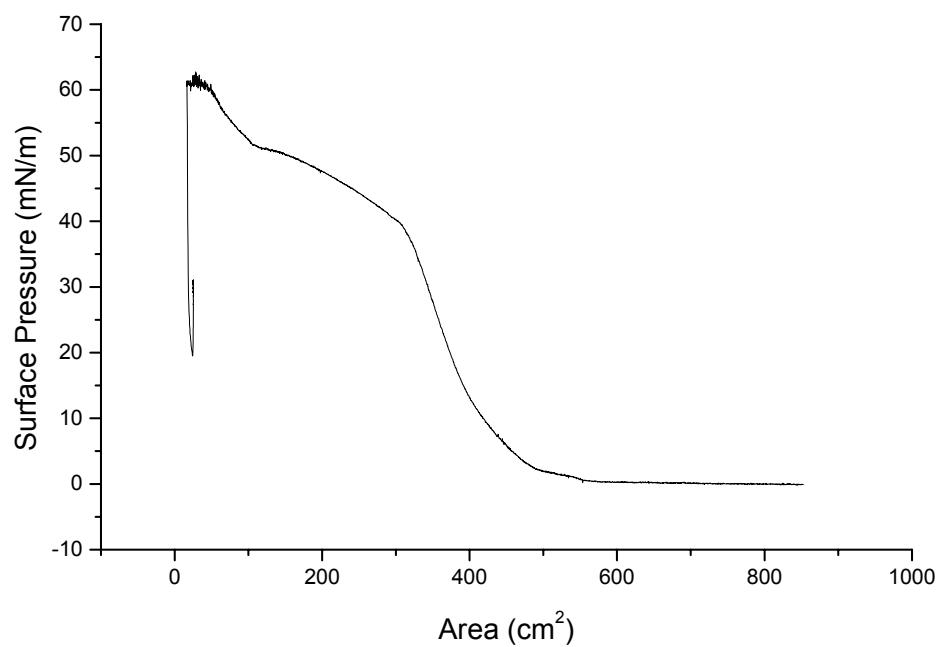


Fig. S6 Surface pressure – surface area isotherm curve of functionalized SWNTs (**SWNT-NA**)