Different chemical strategies to aminate oxidised multi-walled carbon nanotubes for siRNA complexation and delivery

Cinzia Spinato,^a Davide Giust,^b Isabella Anna Vacchi,^a Cécilia Ménard-Moyon,^a Kostas Kostarelos,^b Alberto Bianco^{a*}

Electronic Supplementary Information



Figure S1 XPS spectra of compounds 1, 3, 4, 6 and 8.



4 h siRNA Alexa546

24 h siRNA Alexa546

Figure S2 Cellular internalisation of siRNA-AF546 in A549 cells. Pictures taken by confocal microscopy after exposing A549 cells for 4 h and 24 h with siRNA-AF546 (0.25 μ g). AlexaFluor546-labeled siRNA cellular uptake is indicated by the presence of red signal corresponding to the entrance of the fluorescent siRNA into the cytosol of the cells. Cell nuclei were stained by DAPI (blue). The scale bar is the same for all panels and corresponds to 50 μ m.