Supporting Information

Facile synthesis of linear-dendritic cholesteryl-poly(ε -caprolactone)-*b*-(L-lysine)_{G2} by thiol-ene and azide-alkyne "click" reactions

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Supplementary Material (ESI) for Polymer Chemistry This journal is (c) The Royal Society of Chemistry 2010









Fig. S5 Data of MALDI-TOF and isotopic pattern simulation of the compound 3



Fig. S6 MALDI-TOF of 5

MS, 1st series (found : 3889.96)

Simulation, 1^{st} series Simulated : 3889.3680 For n = 22 $C_{32}H_{52}O(C_6H_{10}O_2)_{n=22}C_{41}H_{72}O_{13}N_7Na$ MS, 2nd series (found : 3902.8) MS, 3rd series (found : 3917.3)

Simulation, 2^{nd} seriesSimulation, 3^{rd} seriesSimulated : 3903.401Simulated : 3917.4173For n = 23 - minus 1x(Boc)For n = 24 - minus 2x(Boc) $C_{32}H_{52}O(C_6H_{10}O_2)_{n=23}C_{36}H_{64}O_{11}N_7Na$ $C_{32}H_{52}O(C_6H_{10}O_2)_{n=24}C_{31}H_{56}O_9N_7Na$



Fig. S7 Data of MALDI-TOF (top) and isotopic pattern simulation (bottom) of the compound 7



Fig. S8 Data of MALDI-TOF (top) and isotopic pattern simulation (bottom) of the compound 8



Fig. S9 Data of MALDI-TOF (top) and isotopic pattern simulation (bottom) of the compound 8





Fig. S10 Data of MALDI-TOF (top) and isotopic pattern simulation (bottom) of the compound 8

Supplementary Material (Esitific Polynes Chemistry This journal is (c) The Royal Society of Chemistry 2010 (found: 3087.556)



MS, 5th series (found : 3087.556)

Simulation, 5th series Simulated : 3086.6 For n = 15 -minus 1x(TFA) $C_{32}H_{53}OS(C_{6}H_{10}O_{2})_{n=15}C_{27}H_{42}O_{11}N_{7}F_{9}K_{2}$



Fig. S11 Data of MALDI-TOF (top) and isotopic pattern simulation (bottom) of the compound 8



Fig. S12 Data of MALDI-TOF (top) and isotopic pattern simulation (bottom) of the compound 8