Electronic Supplementary Information

Synthesis of a novel water-soluble conjugated polyelectrolyte based on polycyclopentadithiophene backbone and its application for heparin detection

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This file includes:

^1H NMR and ^{13}C NMR spectra of all compounds;

The mass spectrum of compound **2** and compound **3**;

GPC of PBTPC-Cl;

Figure S8 and Figure S9;

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Figure S4. ¹H-NMR spectrum of PBTPC-Cl (in D₂O).

Figure S5. The mass spectrum of compound 2.

Figure S6. The mass spectrum of compound **3**.

Figure S7. GPC of PBTPC-Cl using polyethylene glycol as the standard in water.

Figure S8. DLS measurement of the PBTPC-Cl aqueous solution at room temperature ($[RU] = 5.0 \times 10^{-5} \text{ M}$).

Figure S9. PL spectra of $5.0 \times 10^{-5} \text{ M}$ PBTPC-Cl in 10mM HEPES at pH=7.4 upon addition of sodiumhyaluronate (HA) from 1 μM to 44 μM at intervals of 1 μM (excitation at 498 nm).