



Supplementary Information

Functionalizable Glyconanoparticles for a Versatile Redox Platform

Marie Carrière ^{1,2}, Paulo Henrique M. Buzzetti ¹, Karine Gorgy ¹, Muhammad Mumtaz ², Christophe Travelet ², Redouane Borsali ^{2,*} and Serge Cosnier ^{1,*}

¹ UMR 5250, Département de Chimie Moléculaire, CNRS, Université Grenoble Alpes, CEDEX 09, 38058 Grenoble, France; marie.carriere@univ-grenoble-alpes.fr (M.C.); paulo-henrique.maciell-buzzetti@univ-grenoble-alpes.fr (P.H.M.B.); karine.gorgy@univ-grenoble-alpes.fr (K.G.)

² CERMAV, UPR 5301, CNRS, Université Grenoble Alpes, CEDEX 09, 38058 Grenoble, France; mumtaz@cermav.cnrs.fr (M.M.); christophe.travelet@cermav.cnrs.fr (C.T.)

* Correspondence: Redouane.borsali@cermav.cnrs.fr (R.B.); Serge.Cosnier@univ-grenoble-alpes.fr (S.C.)



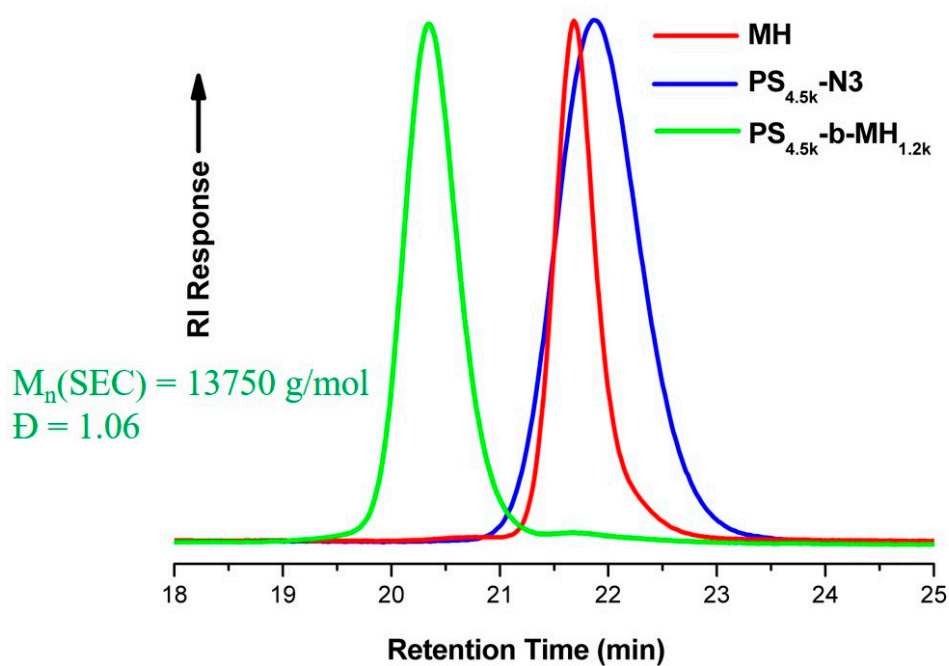


Figure S3. SEC traces of PS_{4.5k}-N₃ (Blue), MH_{1.2k} (Red) and PS_{4.5k}-*b*-MH_{1.2k} (green) using DMF as an eluent and PS calibration at 40°C.

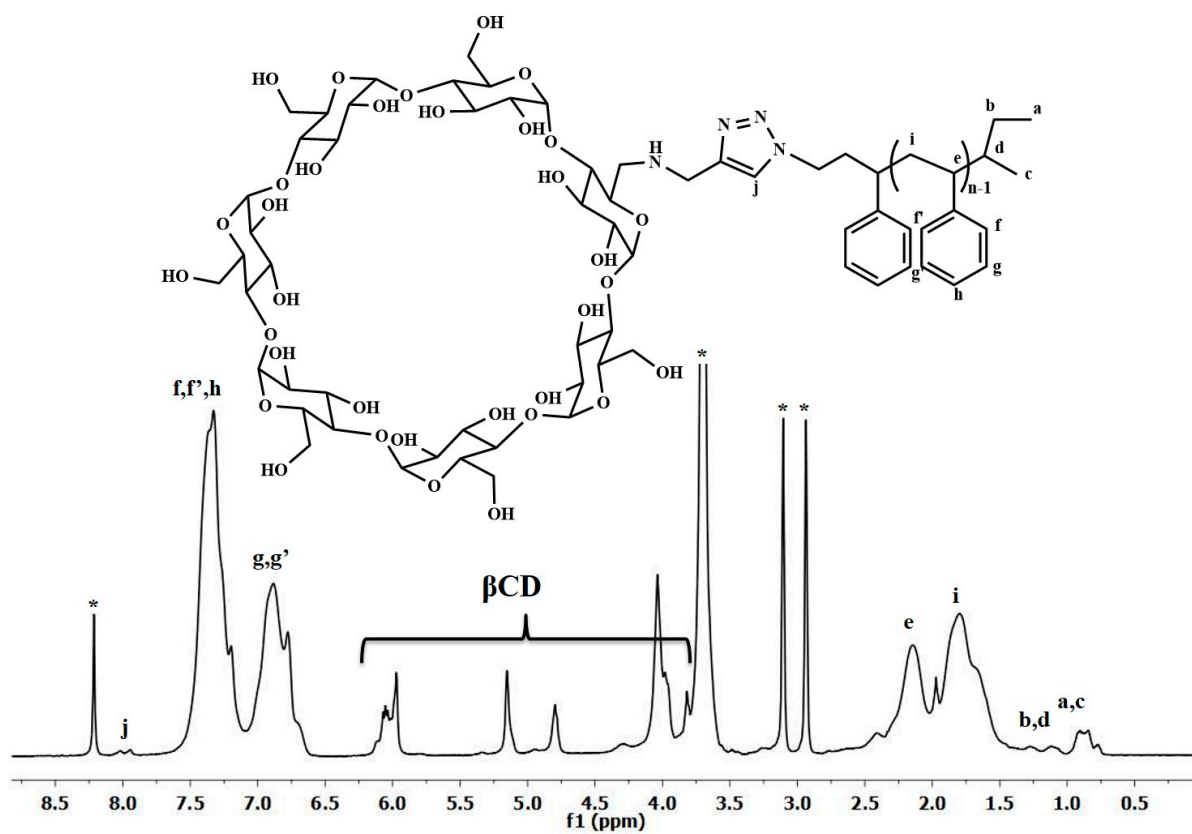


Figure S4. ^1H NMR of PS-*b*- β CD in DMF- d_7 at 25°C (400 MHz)

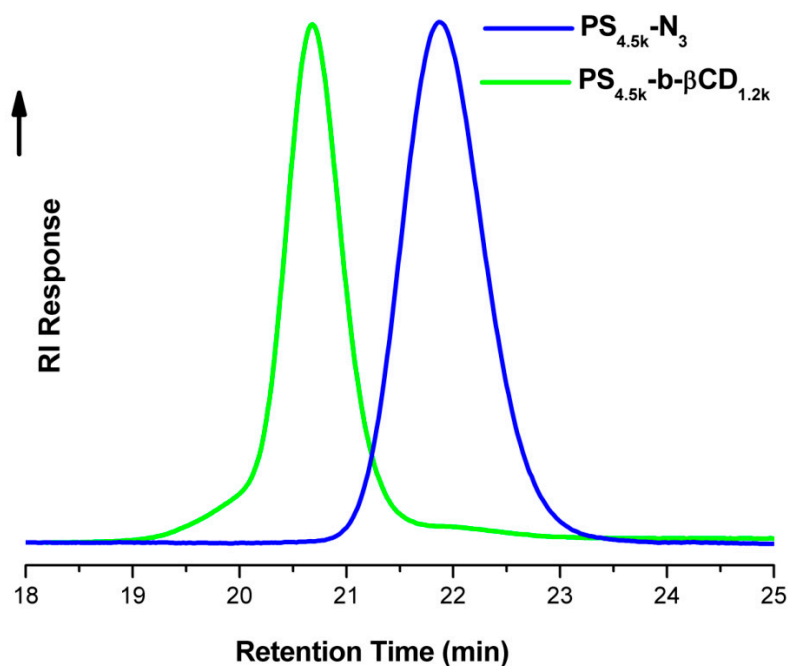


Figure S5. SEC traces of $PS_{4.5k}-N_3$ (Blue), and $PS_{4.5k}-b-\beta CD_{1.2k}$ (green) using DMF as an eluent and PS calibration at 40°C.

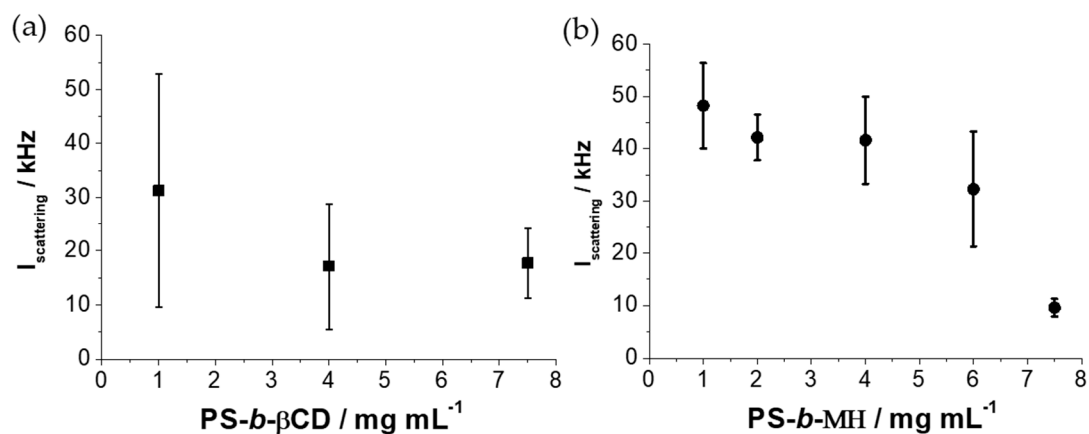


Figure S6. Scattering intensity as a function of mass concentration of $PS-b-\beta CD$ and $PS-b-MH$ glycopolymers in a THF/ H_2O solution mixture (80:20 w/w %).

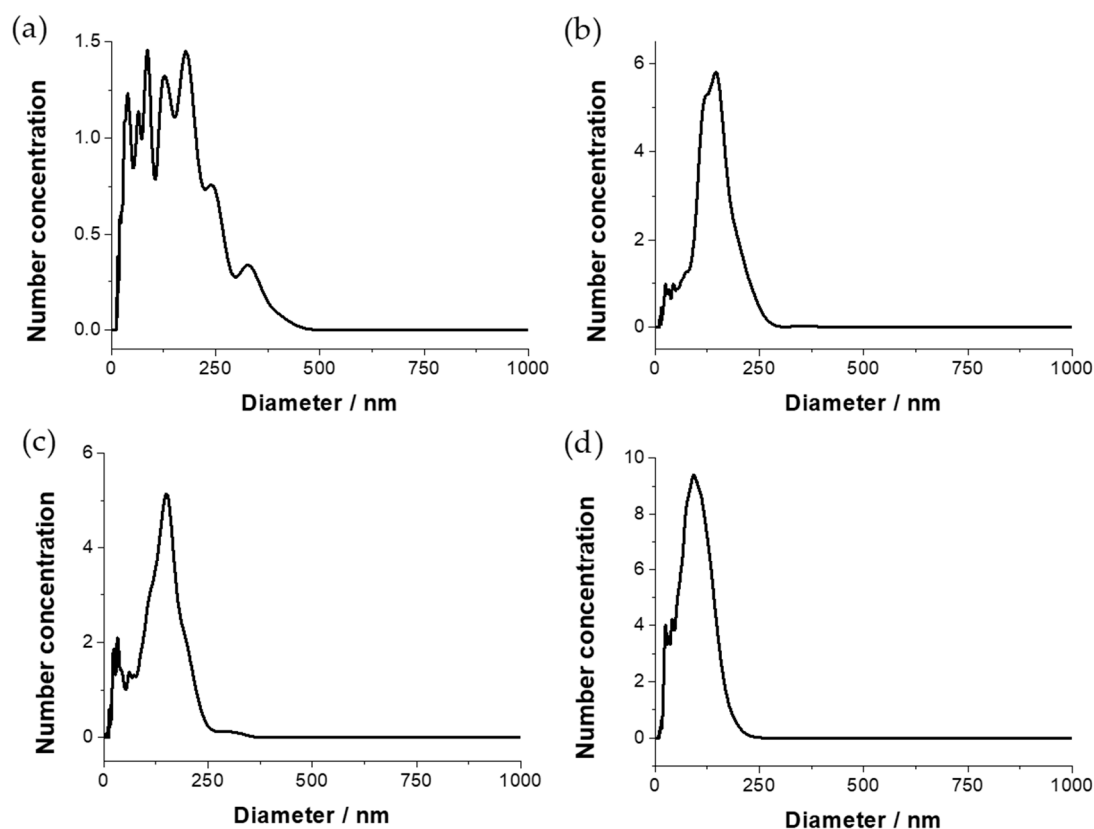


Figure S7. Size distribution of the solutions of (a) GNP_{PSCD} (b) GNP_{PSMH} (c) GNP_{PSCD50} and (d) GNP_{PSCD10} determined by NTA analysis.

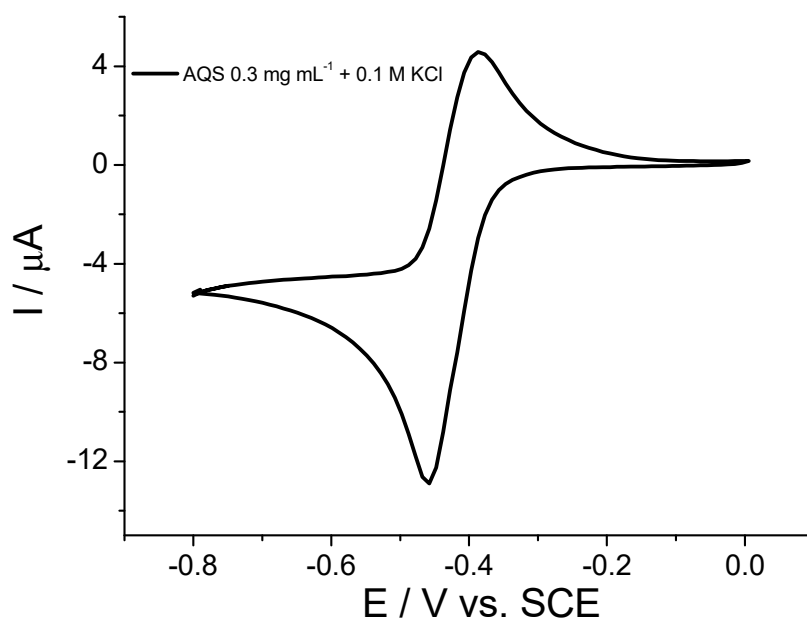


Figure S8. Cyclic voltammetry performed at 10 mV s^{-1} with glass carbon in aqueous solution ($\text{KCl } 0.1 \text{ mol L}^{-1}$) with AQS (0.3 mg mL^{-1}). pH was adjusted to 6.0.