

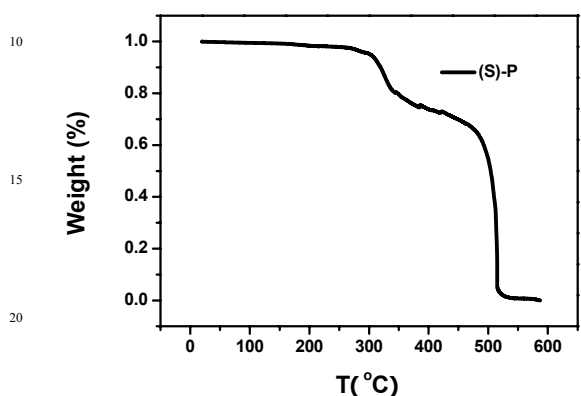
Near-Infrared Electrochromic and Chiroptical Switching Polymers: Synthesis and Characterization of Helical Poly(N-propargylamides) Carrying Anthraquinone Imides Moieties in Side Chains

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²⁵ Figure S1. TGA curve of the polymer *S*-(-)-P with a heating rate of 10 °C/min.

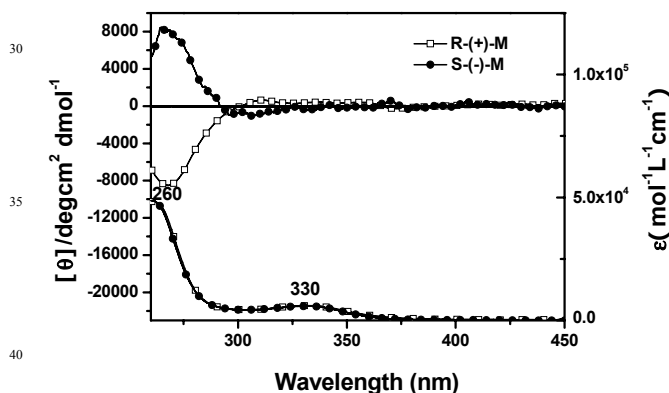


Figure S2. CD and UV-vis spectra of the monomers measured in NMP at room temperature ($c = 1 \times 10^{-3}$ M).

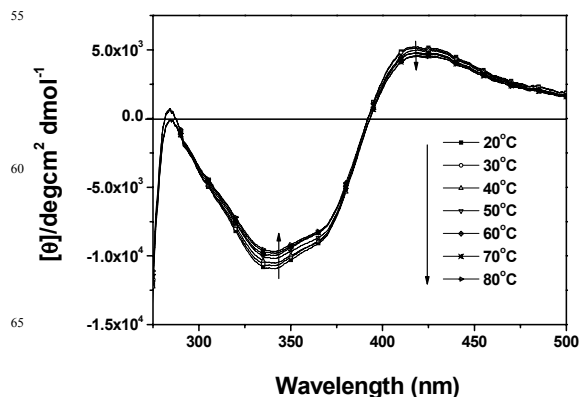


Figure S3. Temperature-dependent CD spectra of *R*-(+)-P in NMP at a concentration of 1×10^{-5} M

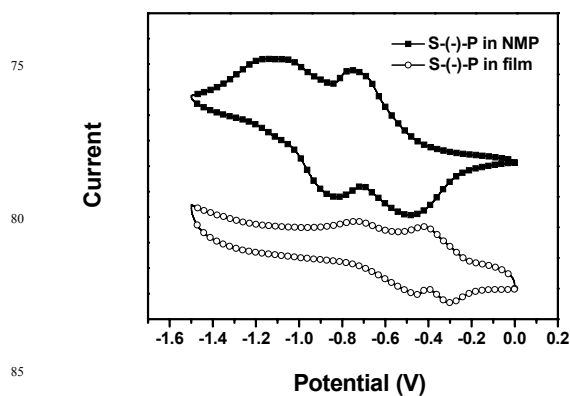


Figure S4. Cyclic voltammograms of *S*-(-)-P in film. CH₃CN containing TBAP (0.1 M) at room temperature, scan rate of 100 mV/s, Pt disk working electrode, potentials vs Ag/AgCl.

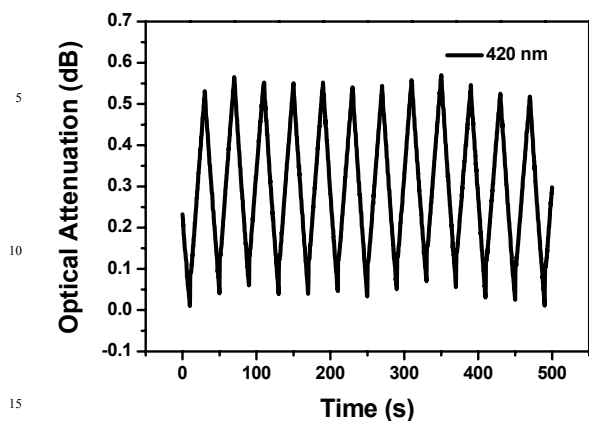


Figure S5. Optical attenuation of film of *S*(-)-*P* at 420 nm with stepping potentials between -0.7 and +0.4 V and a switching time of 20 seconds

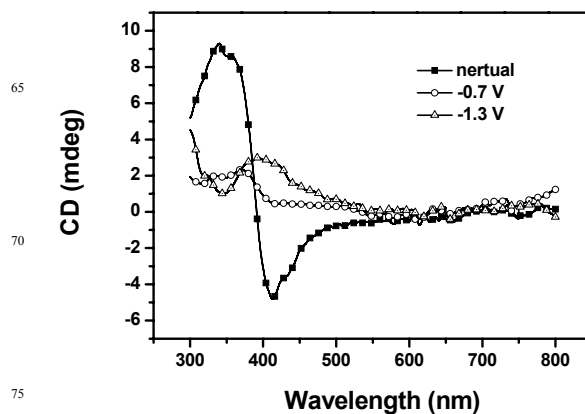


Figure S7. CD spectra of *S*(-)-*P* (5×10^{-3} M containing 0.1 M TBAP) in solution at 0.0, -0.7V, and -1.3 V.

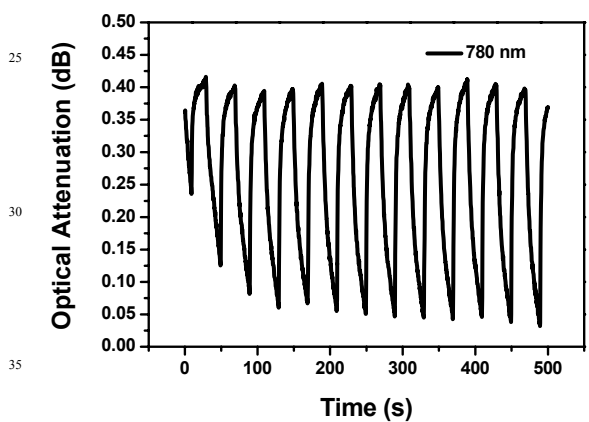


Figure S6. Optical attenuation of film of *S*(-)-*P* at 780 nm with stepping potentials between -0.7 and +0.4 V and a switching time of 20 seconds

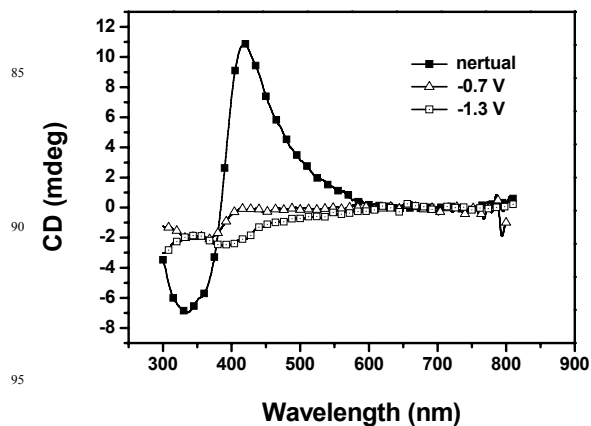


Figure S8. CD spectra of *R*(+)-*P* (5×10^{-3} M containing 0.1 M TBAP) in solution at 0.0, -0.7V, and -1.3 V.