SUPPORTING INFORMATION

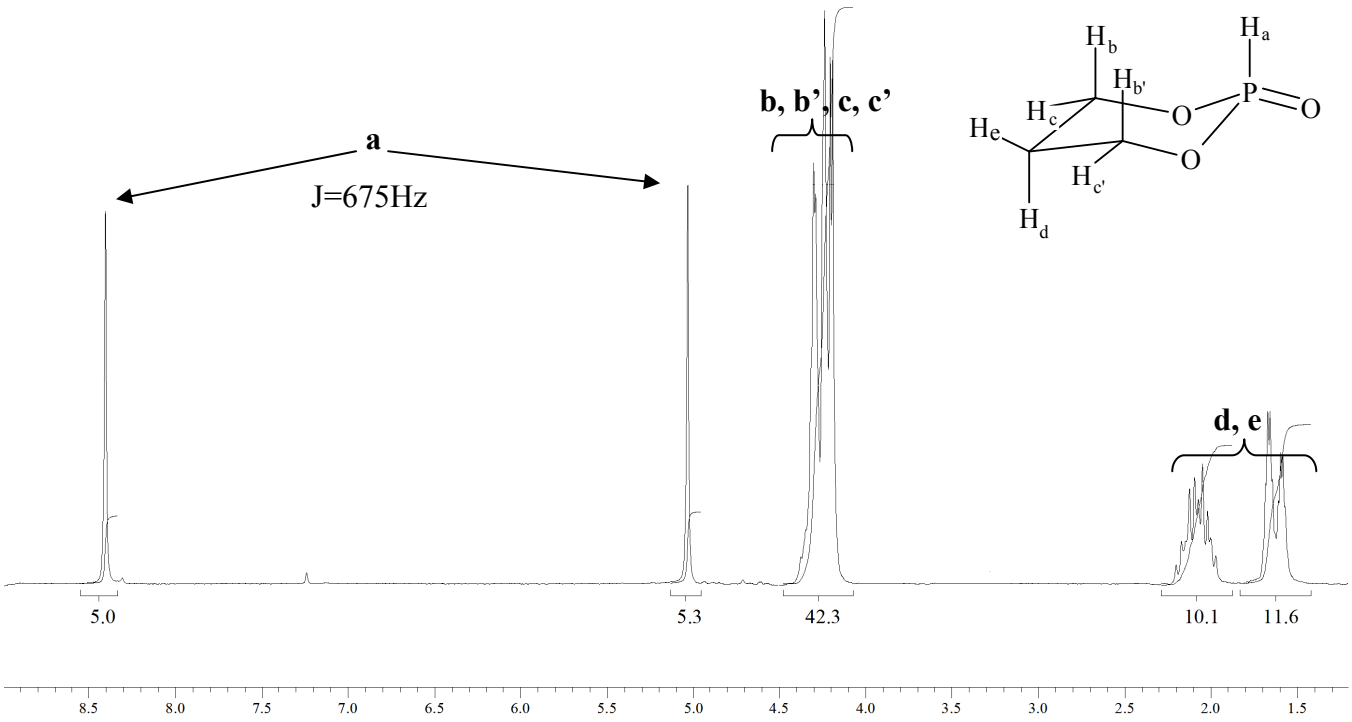

Figure 1': ^{1}H NMR spectrum of **(1)**

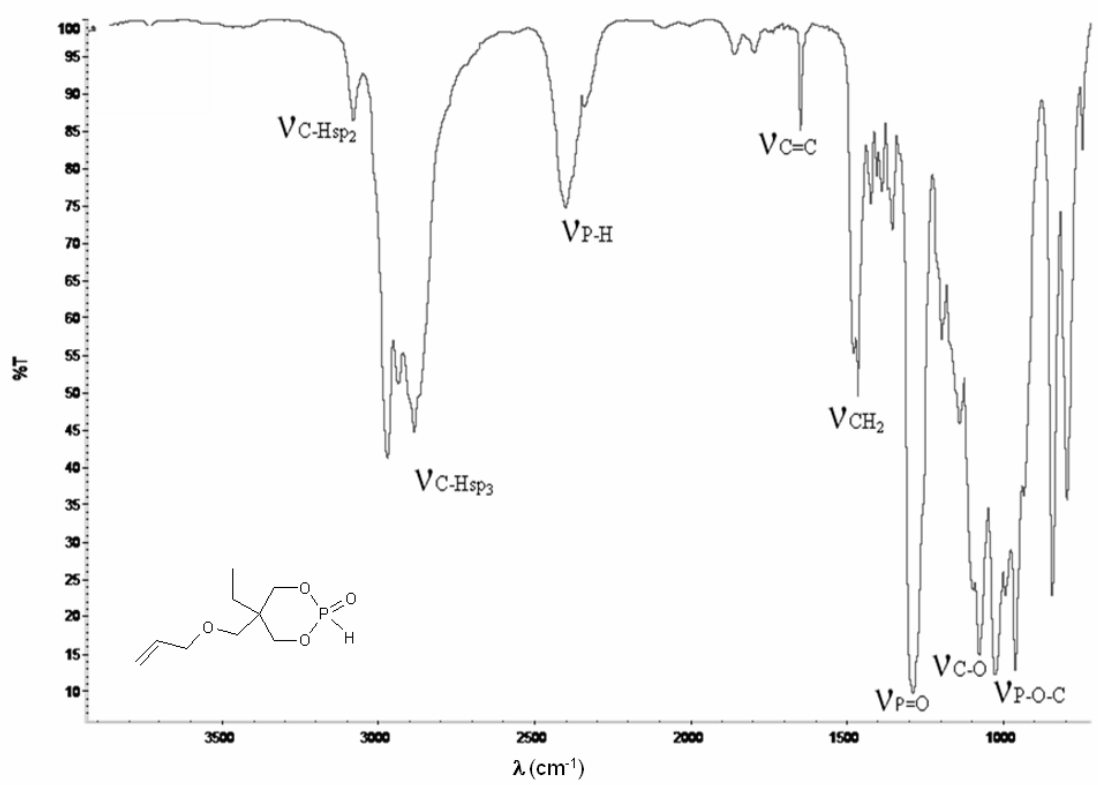

Figure 2': IR spectrum of monomer (**2**)

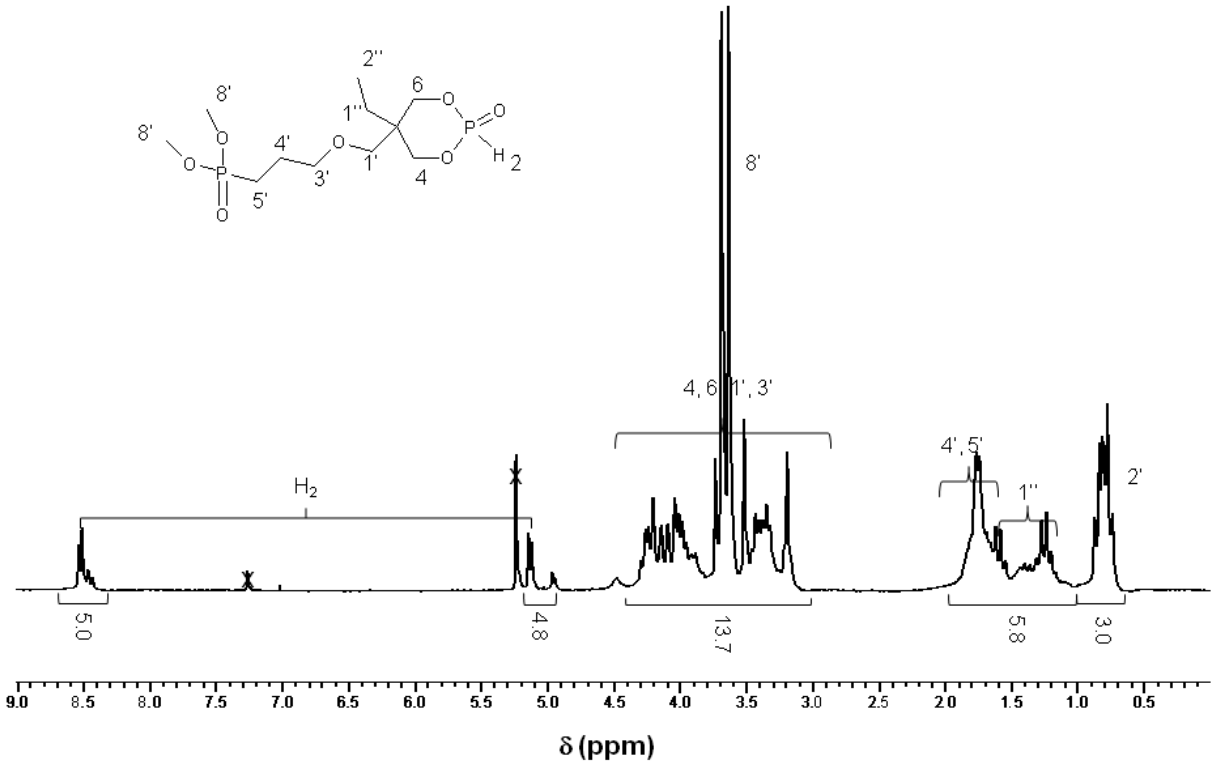

Figure 3': ^{1}H NMR of product (**3', 1**) in $CDCl_3$ (synthesis with monomer (**2**))

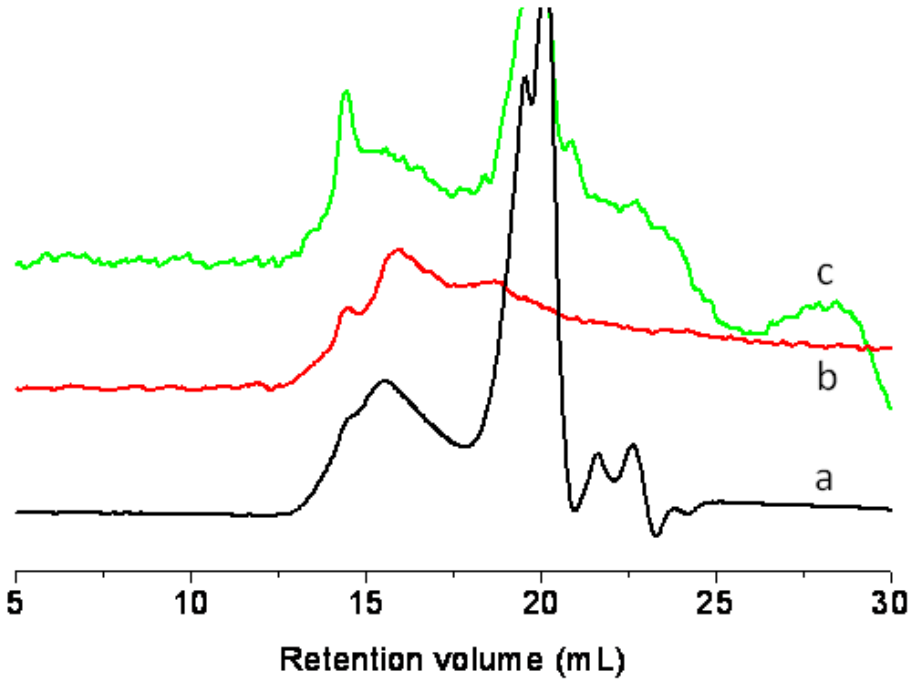

Figure 4': SEC chromatograms including triple detectors traces (Refractometer (a), Light Scattering (b) and Viscosity (c) detectors) of the total product mixture after homopolymerization.

Triple detection SEC had been carried out on a TDA300-EXD apparatus from Viscotek with three detectors connected in series, i.e., light scattering, refractometer and viscosimeter detectors. The temperature of analysis, 70°C, was set both in columns and in the detector room to ensure a better reproducibility, as well as a stable baseline throughout the characterization. Two linear ultrahydrogel GMHHR-H columns and a HHR-H Guard precolumn (both from Viscotek) were used. Dimethylformamide was chosen as an eluent, at a flowrate of 0.8 mL. min^{-1}, without the need for a flow marker.

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