

# Supporting Information

## Polymers with Phosphorus Containing Side Chains via Modular Conjugation

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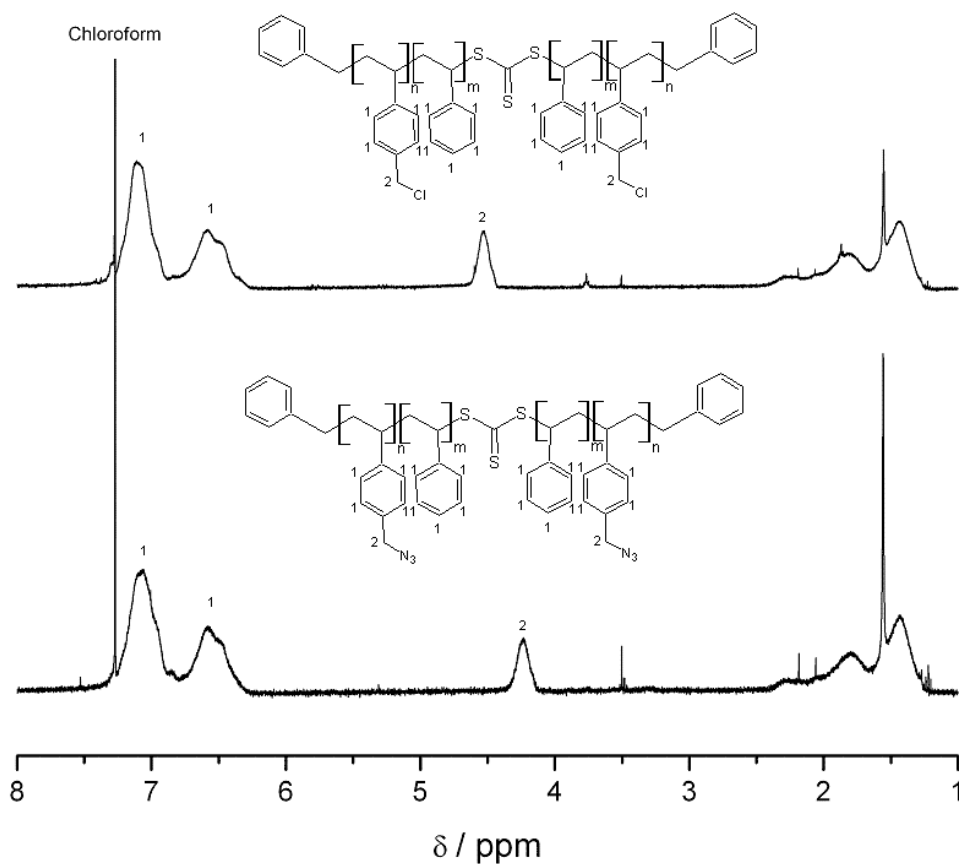
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## <sup>1</sup>H-NMR Monitoring of the Conversion of Chloride to Azide Copolymers



**Figure S1:** <sup>1</sup>H NMR spectra of the chloride (top) and azide (bottom) functionalized copolymer P<sub>x</sub>.2. The assignment of the resonances is depicted within the structures. The complete disappearance of the CH<sub>2</sub>Cl <sup>1</sup>H NMR signal at  $\delta = 4.54$  ppm and the appearance of the signal at  $\delta = 4.24$  ppm indicates the full conversion to -CH<sub>2</sub>N<sub>3</sub>. The intensity ratios of the characteristic integrals of Ph-H and CH<sub>2</sub>Cl, respectively CH<sub>2</sub>N<sub>3</sub>, are maintained during the reaction.