Supporting Information

For *RSC Advances*

**Phosphorus-containing polymers from tetrakis(hydroxymethyl)phosphonium sulfate. III. A new hydrolysis-resistant tris(allyloxymethyl)- phosphine oxide and its thiol-ene reaction under ultraviolet irradiation**

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Figure S1. $^{31}$P NMR spectrum of reaction mixture at one hour interval.