

SUPPORTING INFORMATION

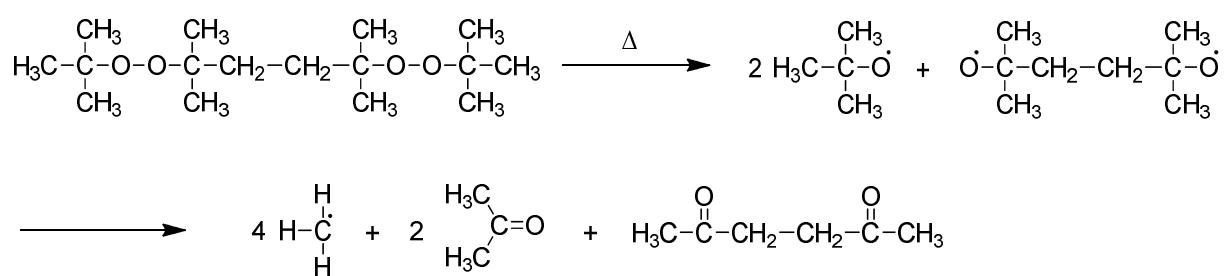
Solid-Liquid Europium ions extraction Via Phosphonic acid-functionalized Polyvinylidene fluoride siloxanes.

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Scheme S1. Mechanism of dissociation of 2,5-dimethyl-2,5-di(*tert*-butylperoxy) hexane (DTBPH) to release various radicals.

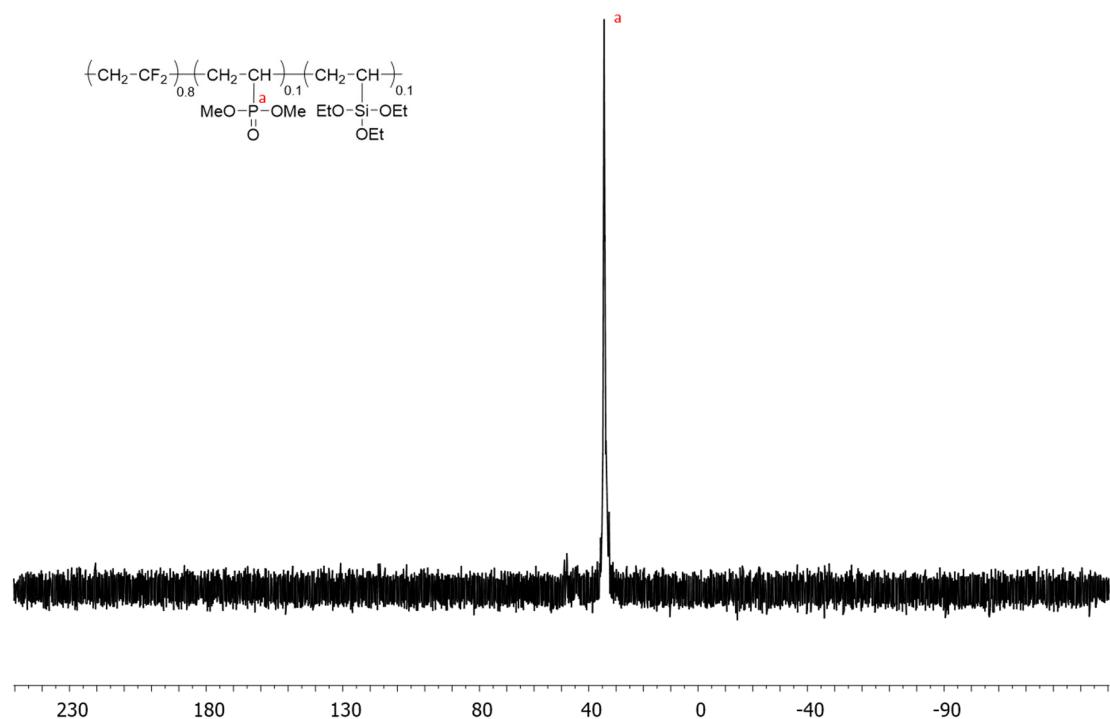


Figure S1. ^{31}P NMR spectrum of poly(VDF-*ter*-VDMP-*ter*-VTEOS) terpolymer (**P₂₀**, Table 1), recorded in DMF-*d*₇ at 20 °C.

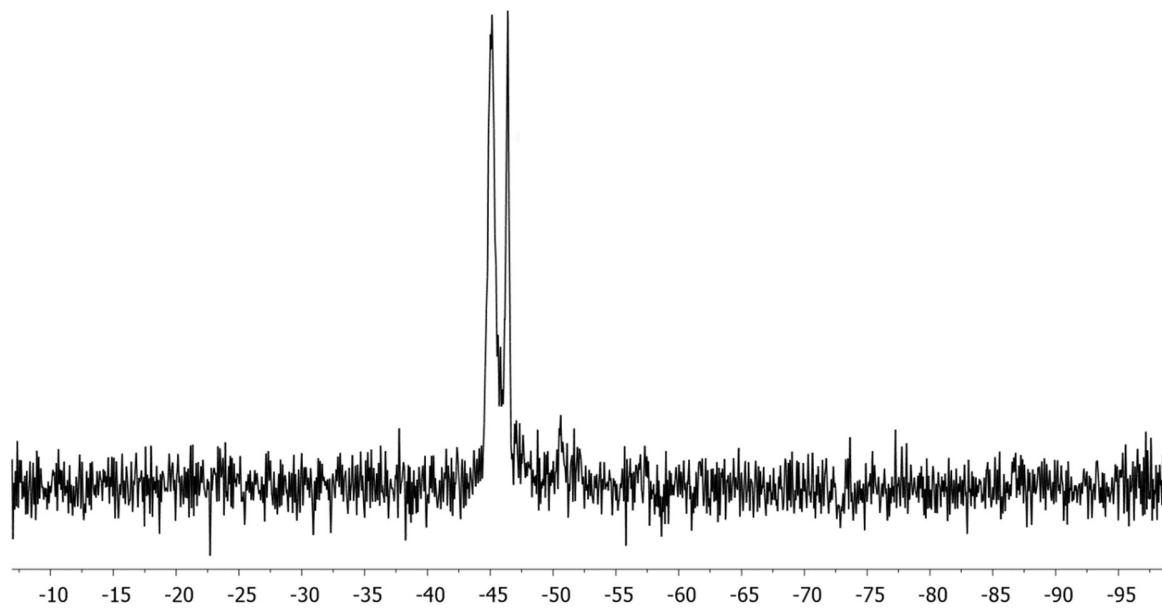


Figure S2. ^{29}Si NMR spectrum of poly(VDF-*ter*-VDMP-*ter*-VTEOS) terpolymer (**P₂₀**, Table 1), recorded in DMF-*d*₇ at 20 °C.

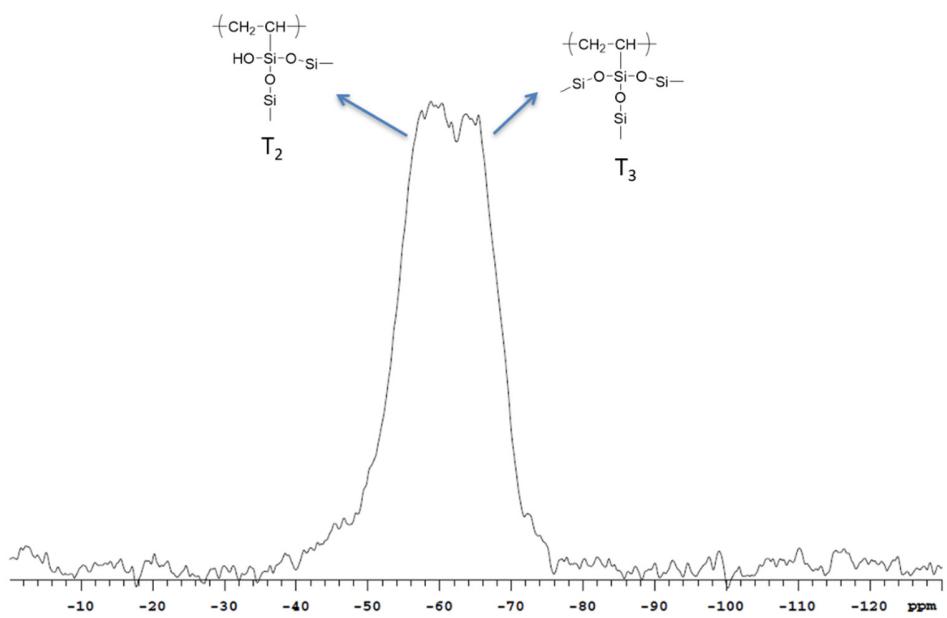


Figure S3. OP-MAS solid state ^{29}Si NMR of poly(VDF-*ter*-VDMP-*ter*-VTEOS) terpolymer after crosslinking (CP₂₀).

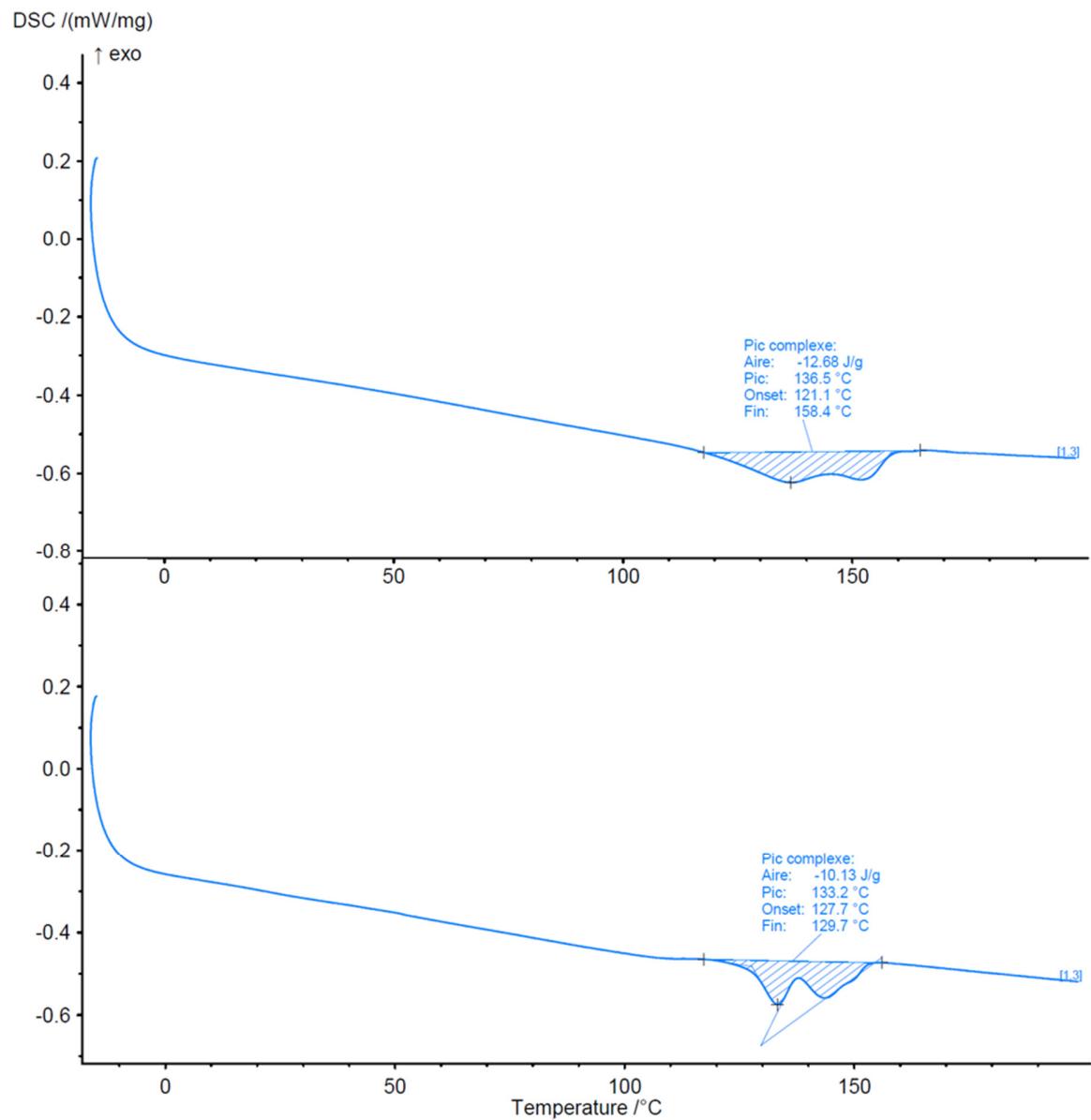


Figure S4. DSC thermograms of poly(VDF-*ter*-VDMP-*ter*-VTEOS) terpolymer (**P₂₀**, Table 1) before (down) and after crosslinking (top).

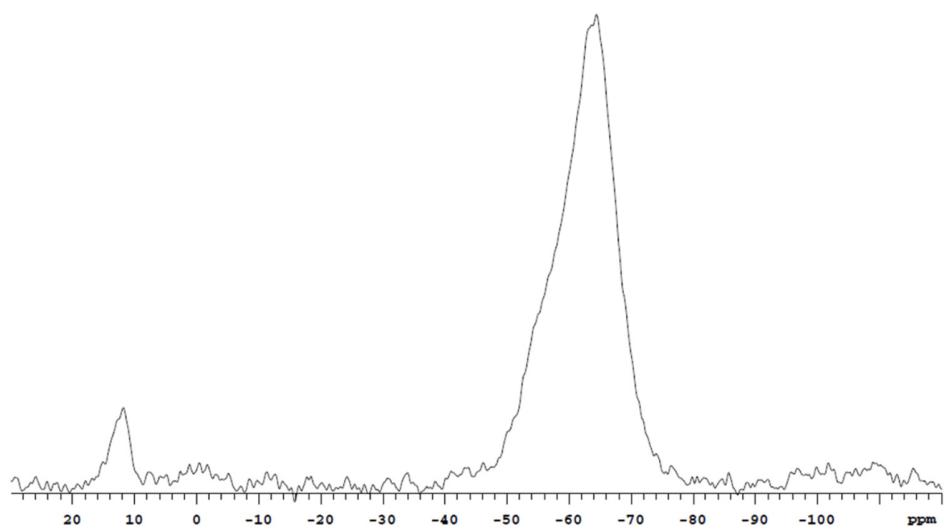


Figure S5. Solid state ^{29}Si NMR spectrum of hydrolyzed crosslinked poly(VDF-*ter*-VPA-*ter*-VTEOS) terpolymer (**HCP**₂₀).