SUPPLEMENTARY INFORMATION

Degradable Copolymer of 2-Methylene-1,3-dioxepane and Vinyl Acetate by Photo-induced Cobalt-Mediated Radical Polymerization

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![Fig. S1](image1)

$^1$H NMR spectrum of Cl-MDO

![Fig. S2](image2)

$^1$H NMR spectrum of MDO
Fig. S3 Differential scanning calorimetry (DSC) of poly(MDO-co-VAc) with different composition.

Fig. S4 $^1$H NMR spectrum after hydrolysis of poly(VAc-co-MDO) in DMSO-D$_6$.
Fig. S5 Matrix assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass spectrometry of poly(MDO-co-VAc) ($M_{n,GPC} = 12100$ g/mol, $D = 1.53$, Conv. = 24.4 %) obtained from the CMRP under UV irradiation (450 uw·cm$^{-2}$ at 365 nm) with the molar ratio $[$VAc$]_0$:$[$MDO$]_0$:$[$Co(acac)$_3$]$_0$:$[$TPO$]_0$ = 200:200:1:0.6.