

Electronic Supplementary Information

Synthesis of photoresponsive polymeric propesticide micelles based on PEG for controlled release of herbicide

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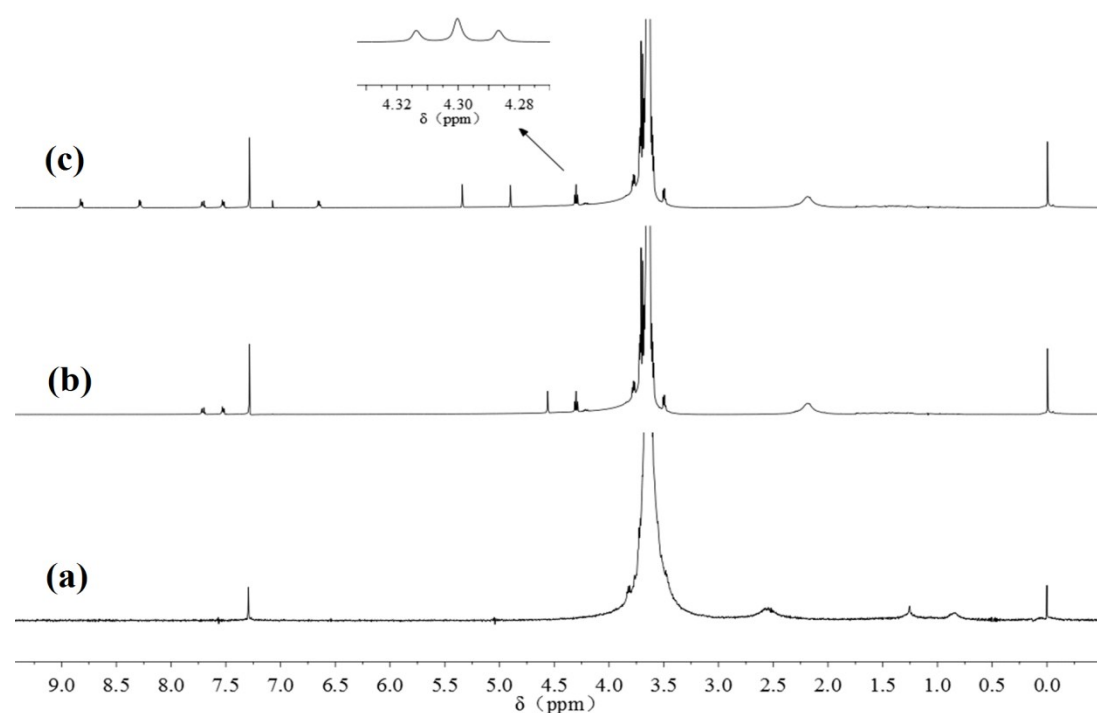


Fig.S1 ¹H NMR spectra in CD₂Cl₂ of (a) PEG, (b) NBA-PEG, and (c) 2,4-D-NBA-PEG

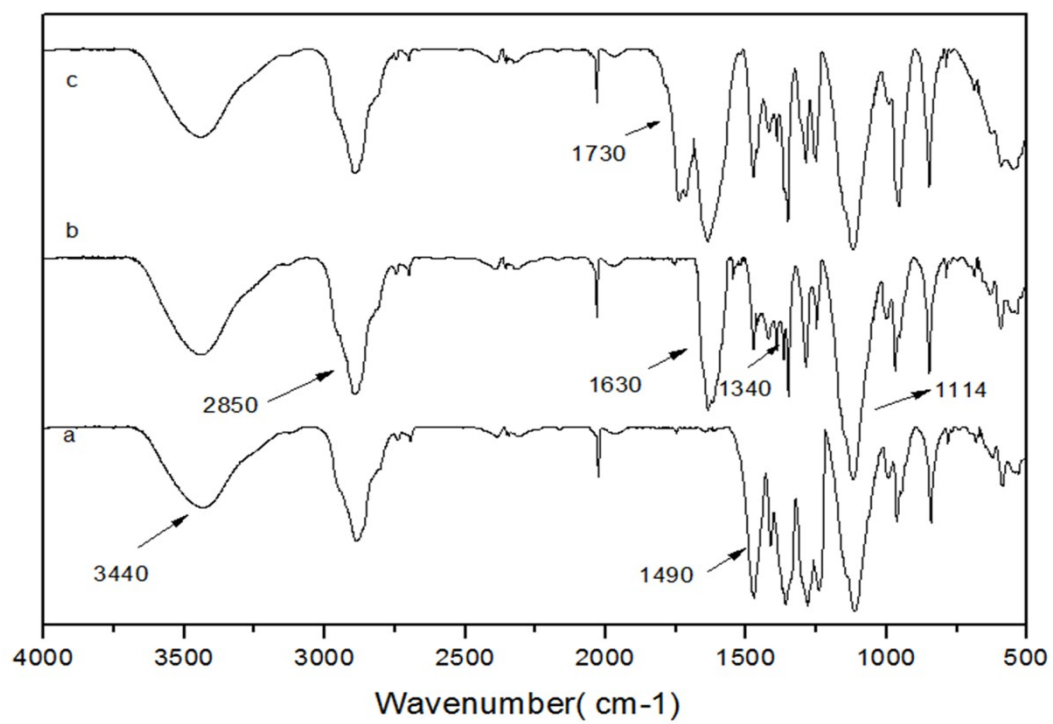


Fig.S2 FT-IR spectra of (a) PEG, (b) NBA-PEG and (c) 2,4-D-NBA-PEG

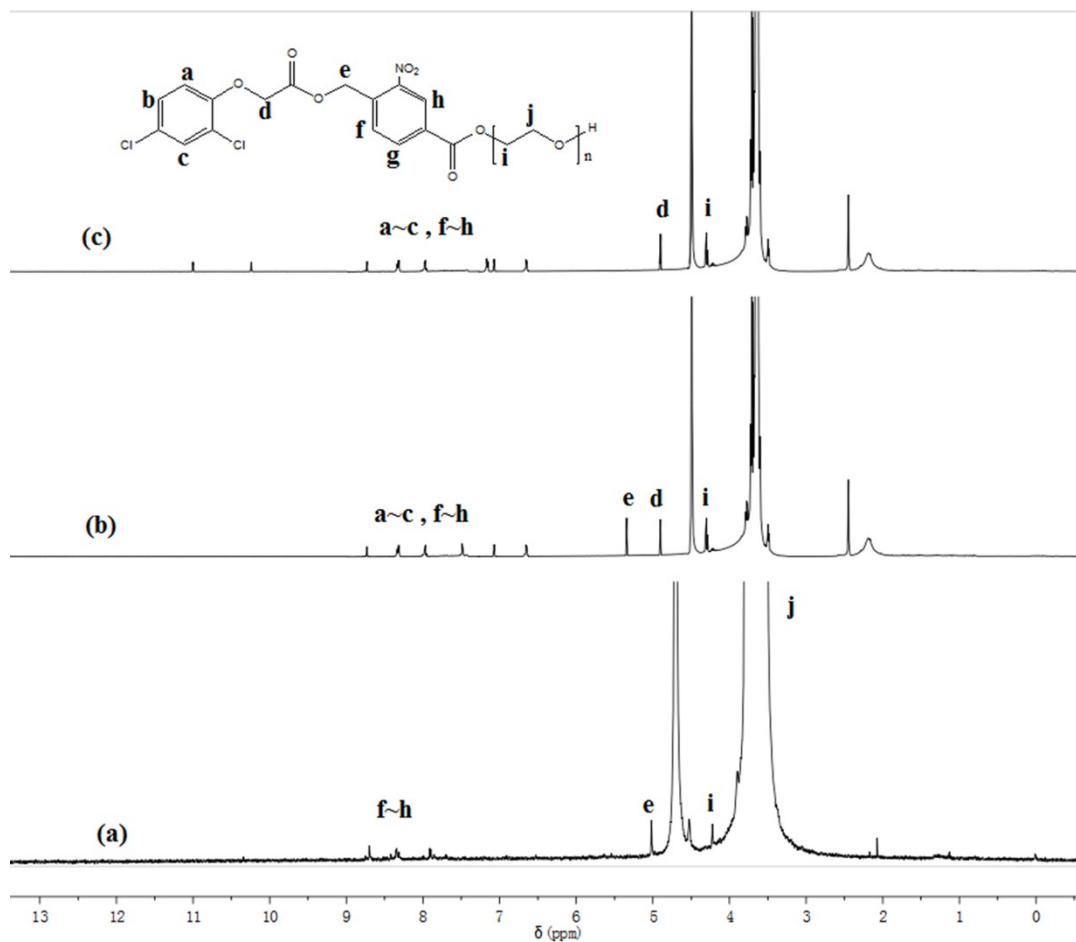


Fig.S3 ^1H NMR spectrum of 2,4-D-NBA-PEG in different solvents or treatment conditions: (a) in D_2O ; (b) in $\text{DMSO-d}_6/\text{D}_2\text{O}$ (1:5, v/v); (c) after UV irradiation for 10 min in $\text{DMSO-d}_6/\text{D}_2\text{O}$ (1:5, v/v).