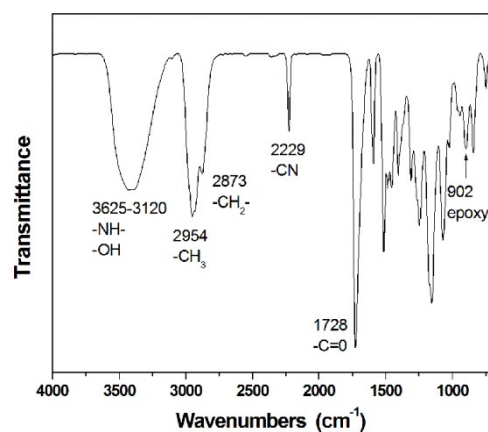
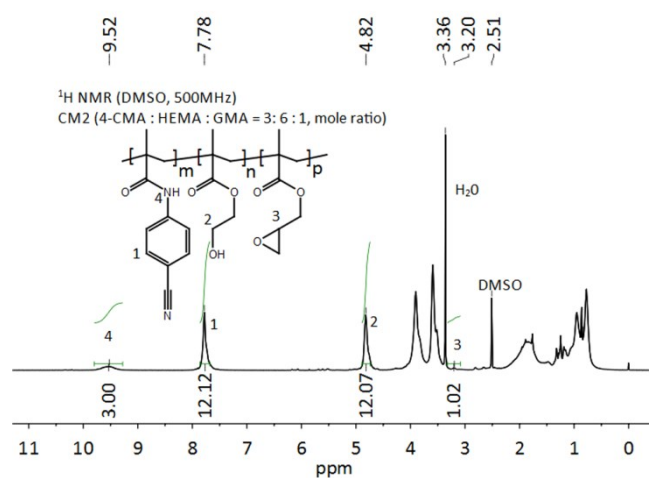


Supporting information



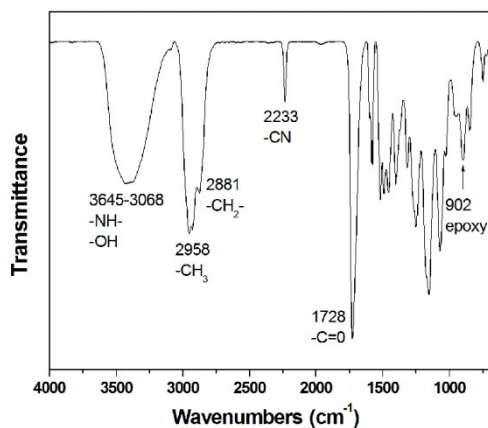
The FT-IR spectrums of CM2.



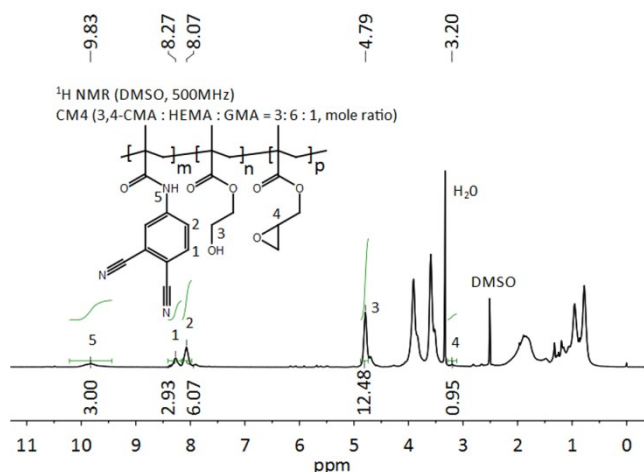
The ¹H NMR spectrum and structure of CM2 (DMSO, 500 MHz).

The CM2 characterization: ¹H NMR (DMSO, 500 MHz): δ 9.52 (s, 3H), 7.78 (s, 12H), 4.82 (s, 12H), 3.20 (s, 1H). FT-IR (KBr, cm⁻¹): 3625-3120 (s, -OH), 2954 (s, -CH₃), 2873 (s, -CH₂-), 2229 (w, -CN), 1728(vs, -C=O), 1589 (w, $\text{-}\overset{\text{O}}{\parallel}\text{C-NH-}$), 1515 (s, -

NH₂), 1491, 1454 (m, ) , 1404 (m, -CH₂), 902, 844 (w, ) , 1157, 1072 (vs, -C-O), 945 (w, γ CH₂).



The FT-IR spectrums of CM4.



The ¹H NMR spectrum and structure of CM4 (DMSO, 500 MHz).

The CM4 characterization: ¹H NMR (DMSO, 500 MHz): δ 9.83 (s, 3H), 8.27 (s, 3H), 8.07 (s, 6H), 4.79 (s, 12H), 3.20 (s, 1H). FT-IR (KBr, cm⁻¹): 3645-3068 (s, -OH), 2958 (s, -CH₃), 2881 (s, -CH₂-), 2233 (w, -CN), 1728(vs, -C=O), 1581 (w, ) , 1519 (s, -NH₂), 1488, 1454 (m, ) , 1404 (m, -CH₂), 902, 848 (w, ) , 1153, 1068 (vs, -C-O), 945 (w, γ CH₂).