

Supporting Information

Supramolecular Structures of Uracil-Functionalized PEG with Multi-Diamidopyridine POSS through Complementary Hydrogen Bonding Interactions

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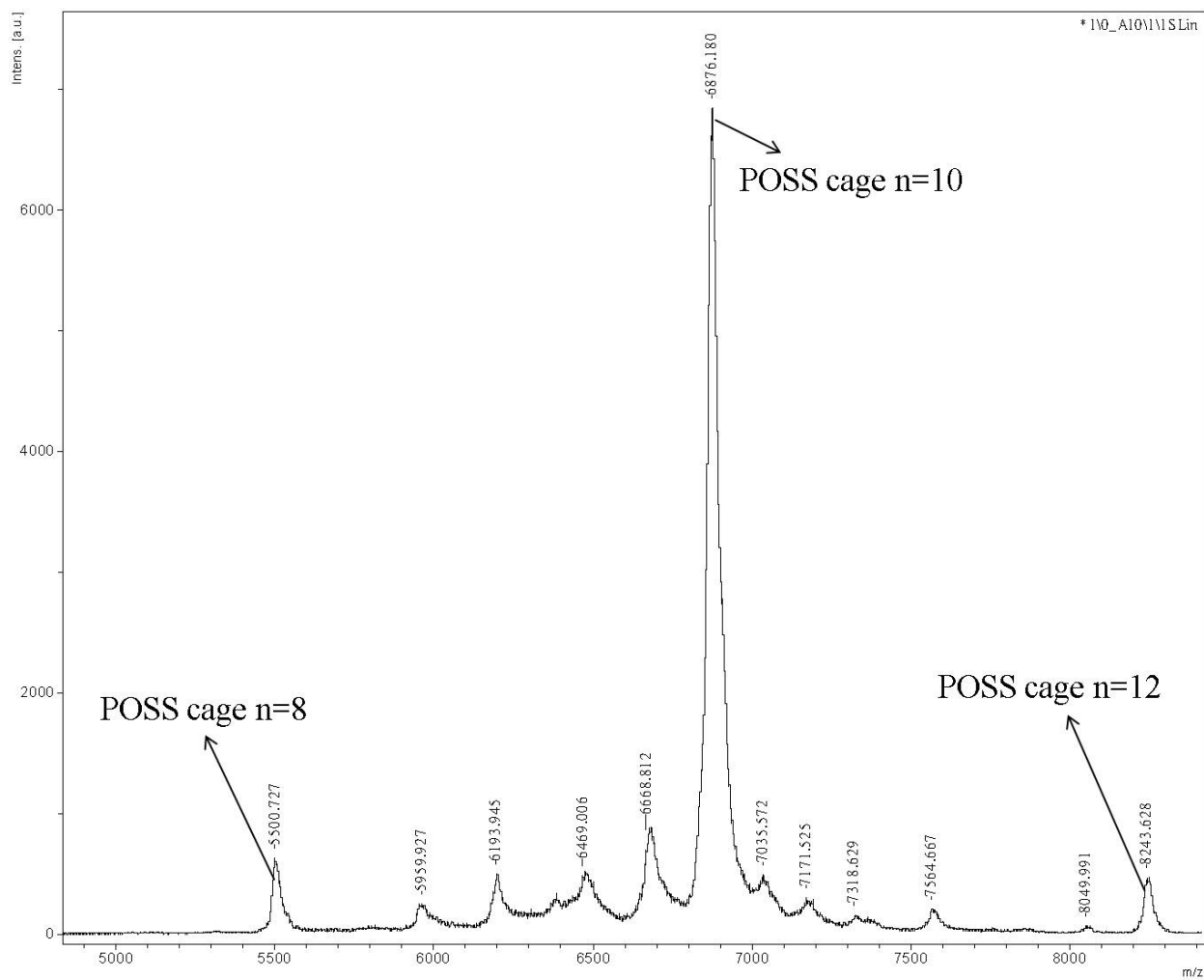


Figure S1. MALDI-TOF mass spectra of MD-POSS

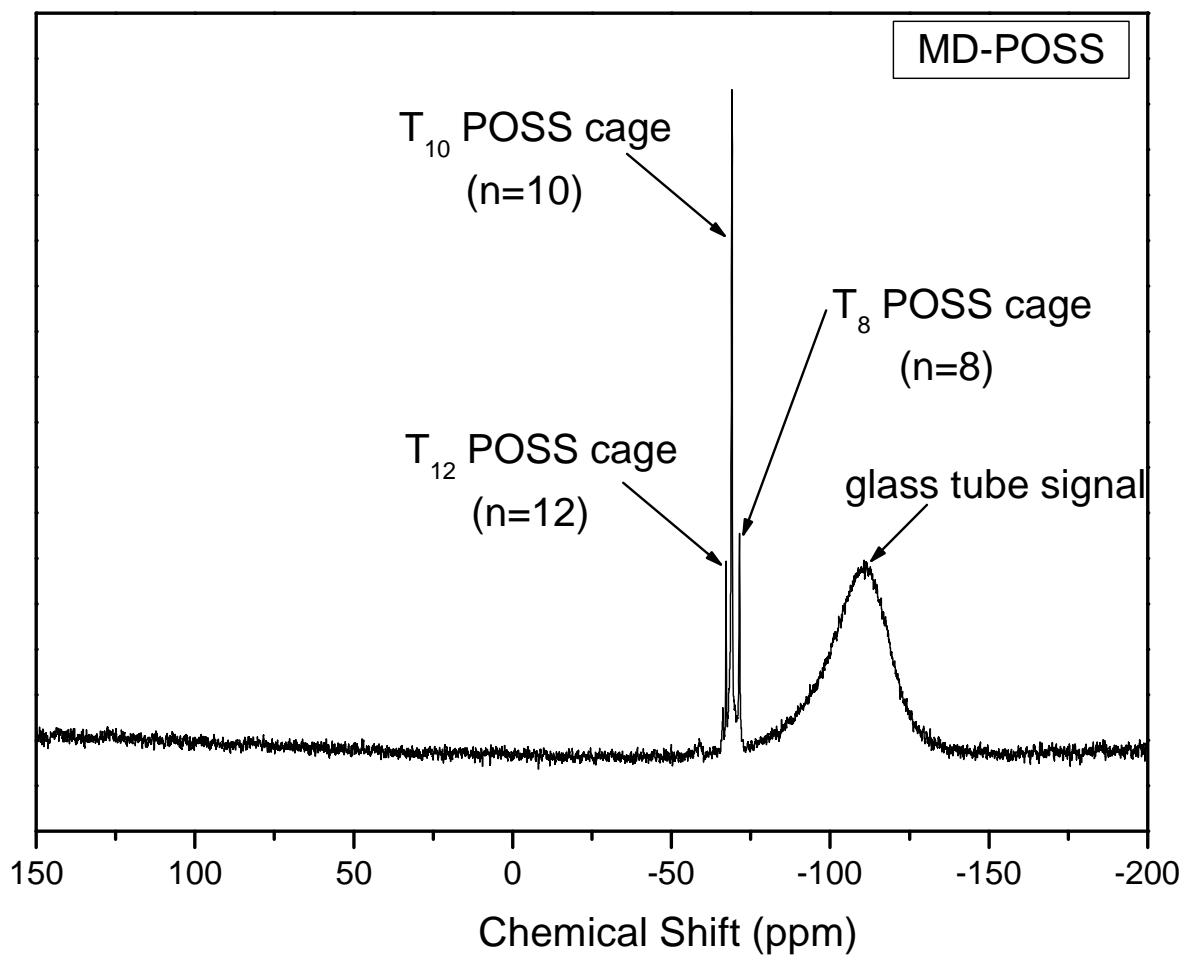


Figure S2. ^{29}Si NMR of MD-POSS

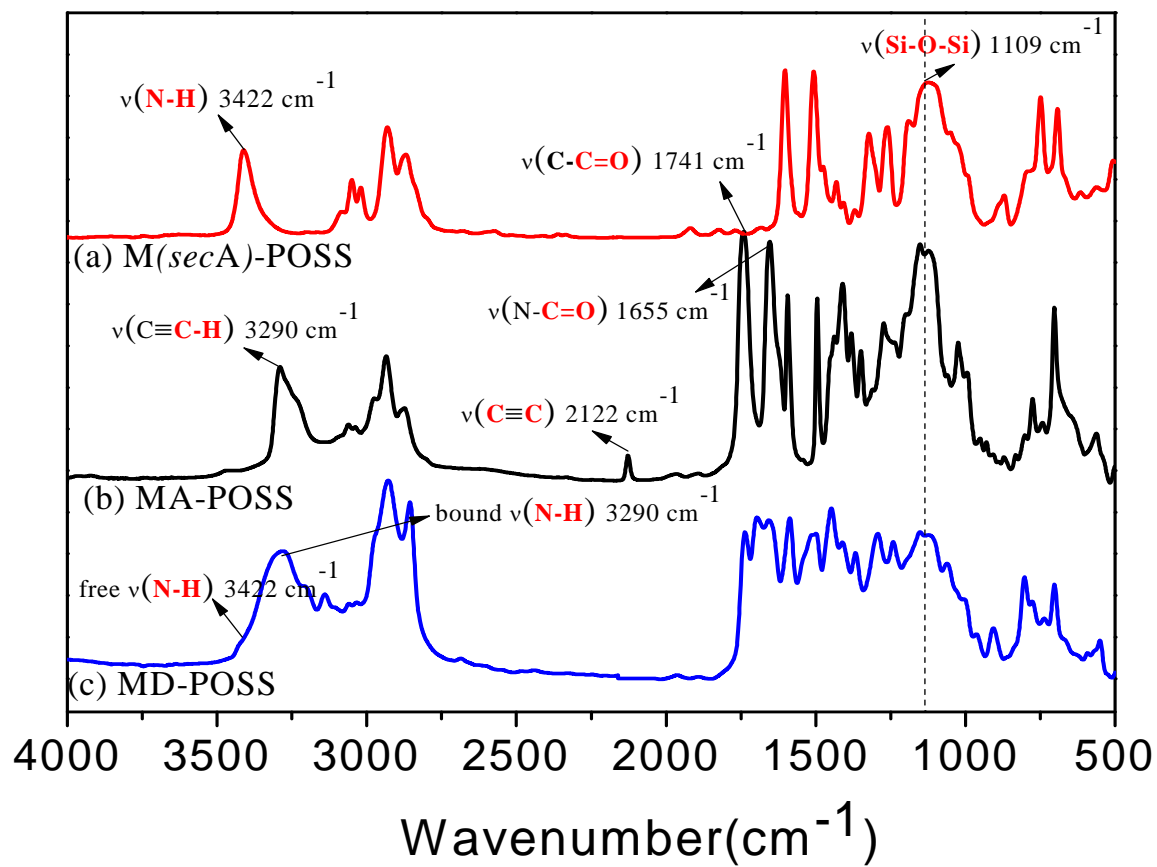


Figure S3. FT-IR spectra of (a) M(*secA*)-POSS (b) MA-POSS (c) MD-POSS

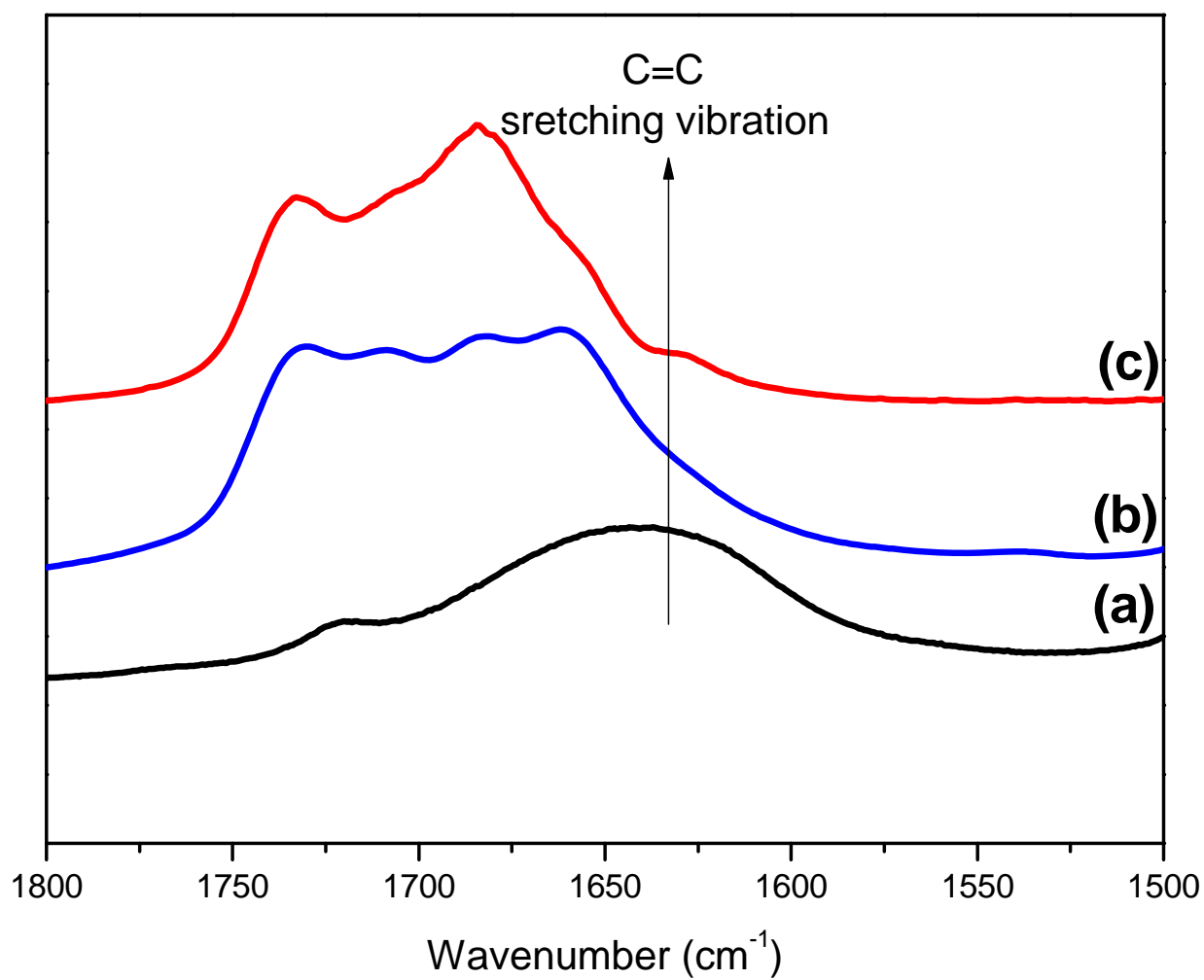


Figure S4. FT-IR spectra of (a) acrylate- PEG, (b) U-PEG and (c) U-PEG-U

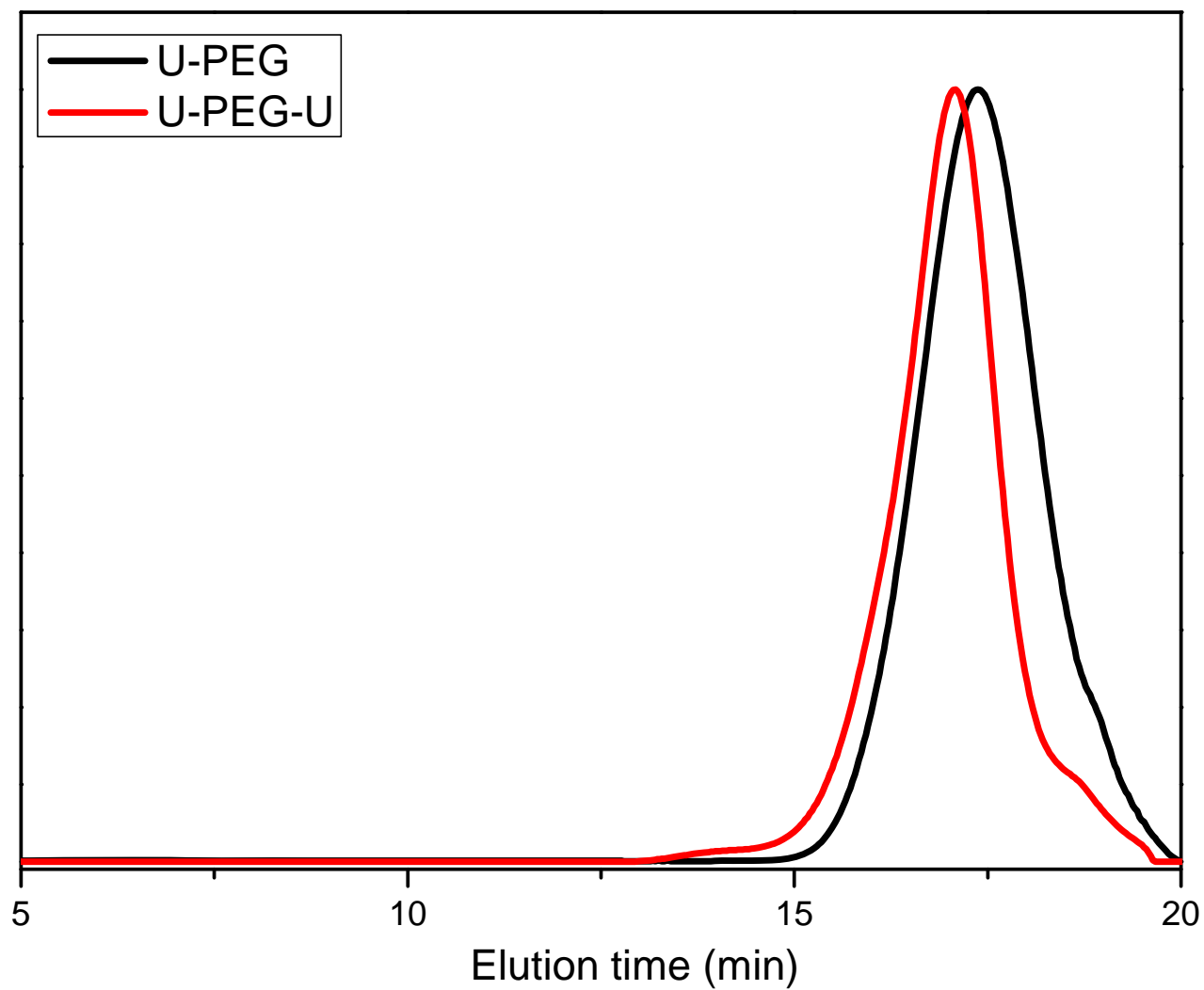


Figure S5. GPC analyses of U-PEG and U-PEG-U

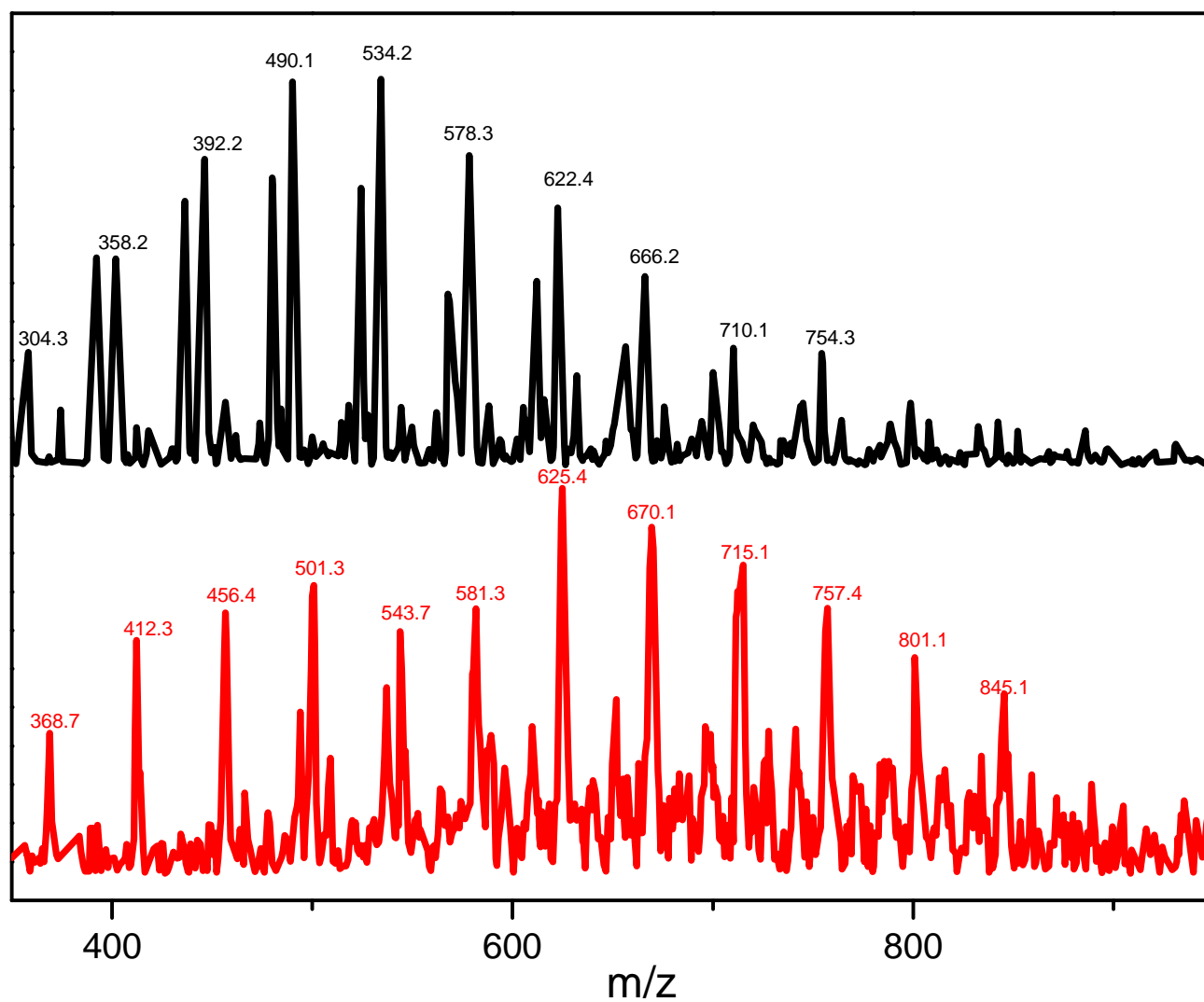


Figure S6. EI-MS analyses of U-PEG and U-PEG-U

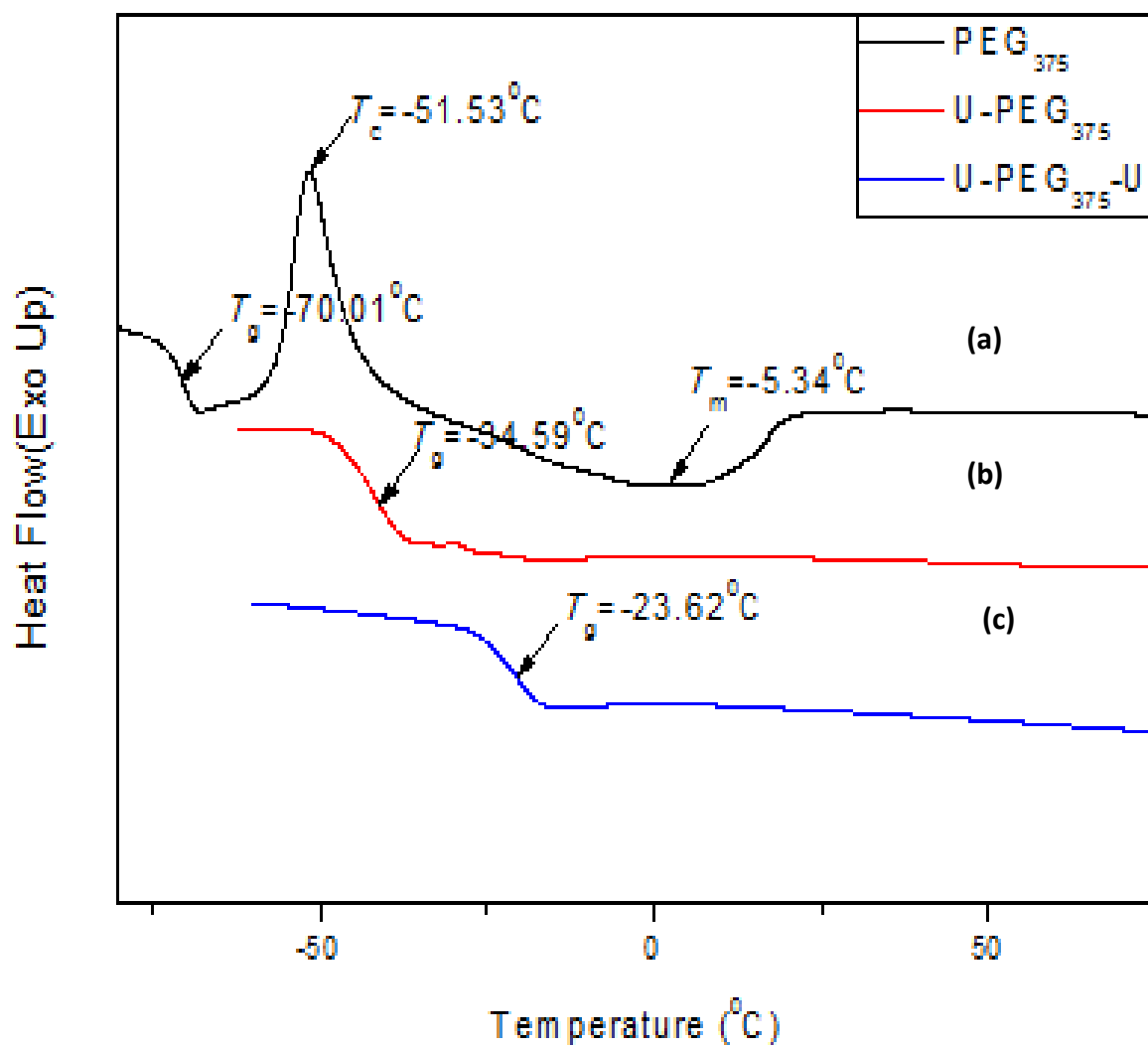


Figure S7. DSC plots of (a) acrylate-PEG (b) U-PEG (c) U-PEG-U

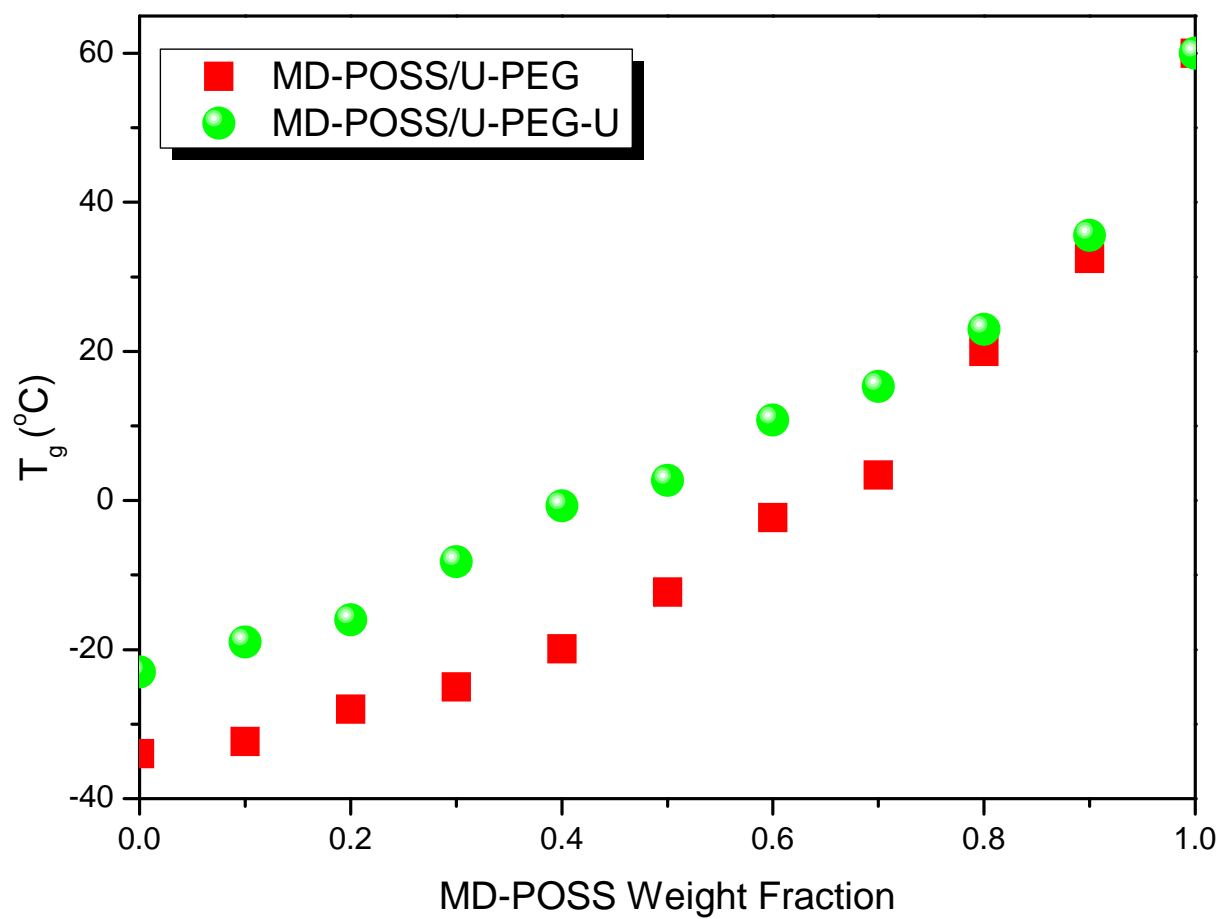


Figure S8: T_g behavior of MD-POSS/U-PEG and MD-POSS/U-PEG-U

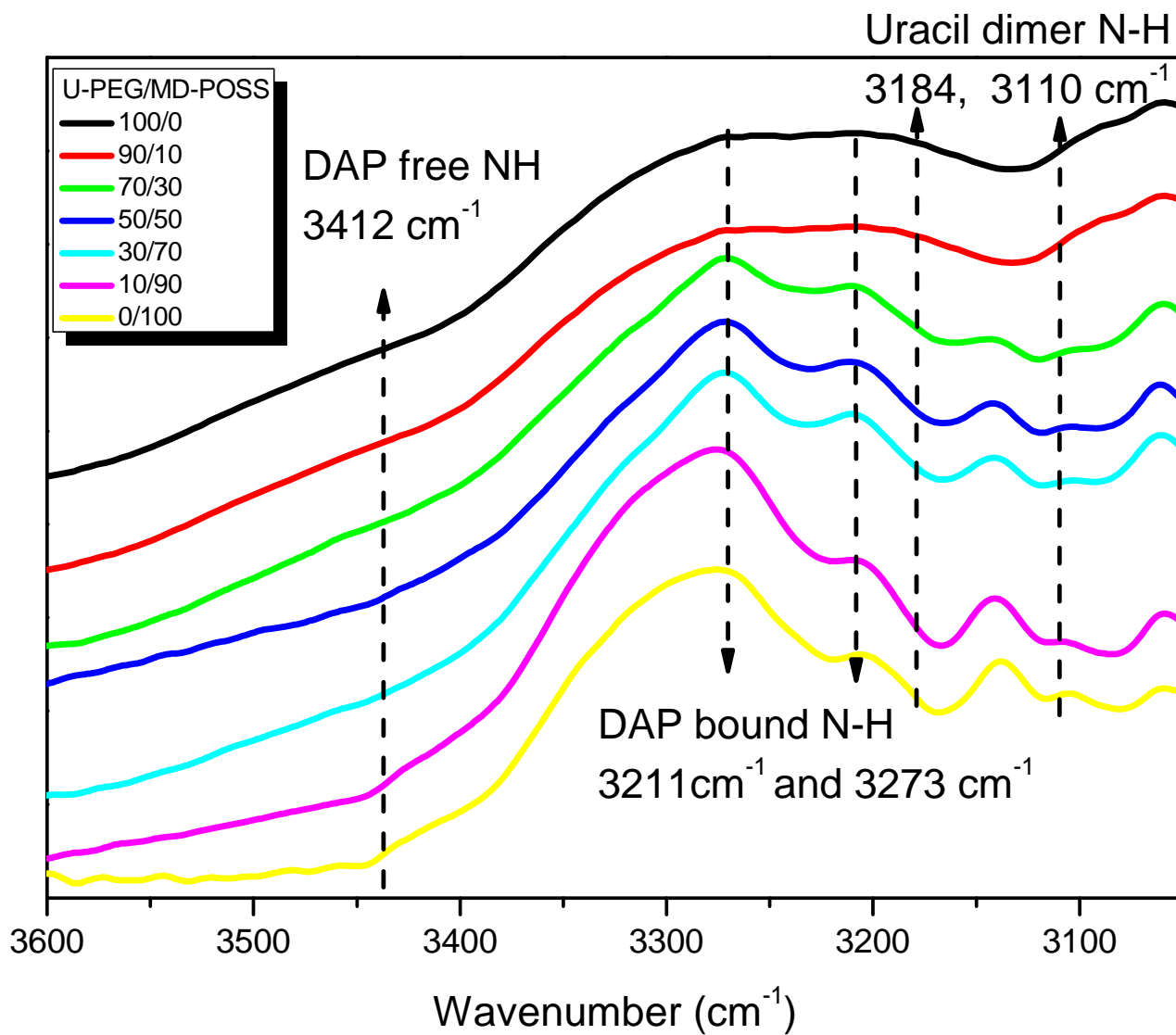


Figure S9. FT-IR of 3100-3500(cm⁻¹) range for U-PEG/MD-POSS blended system

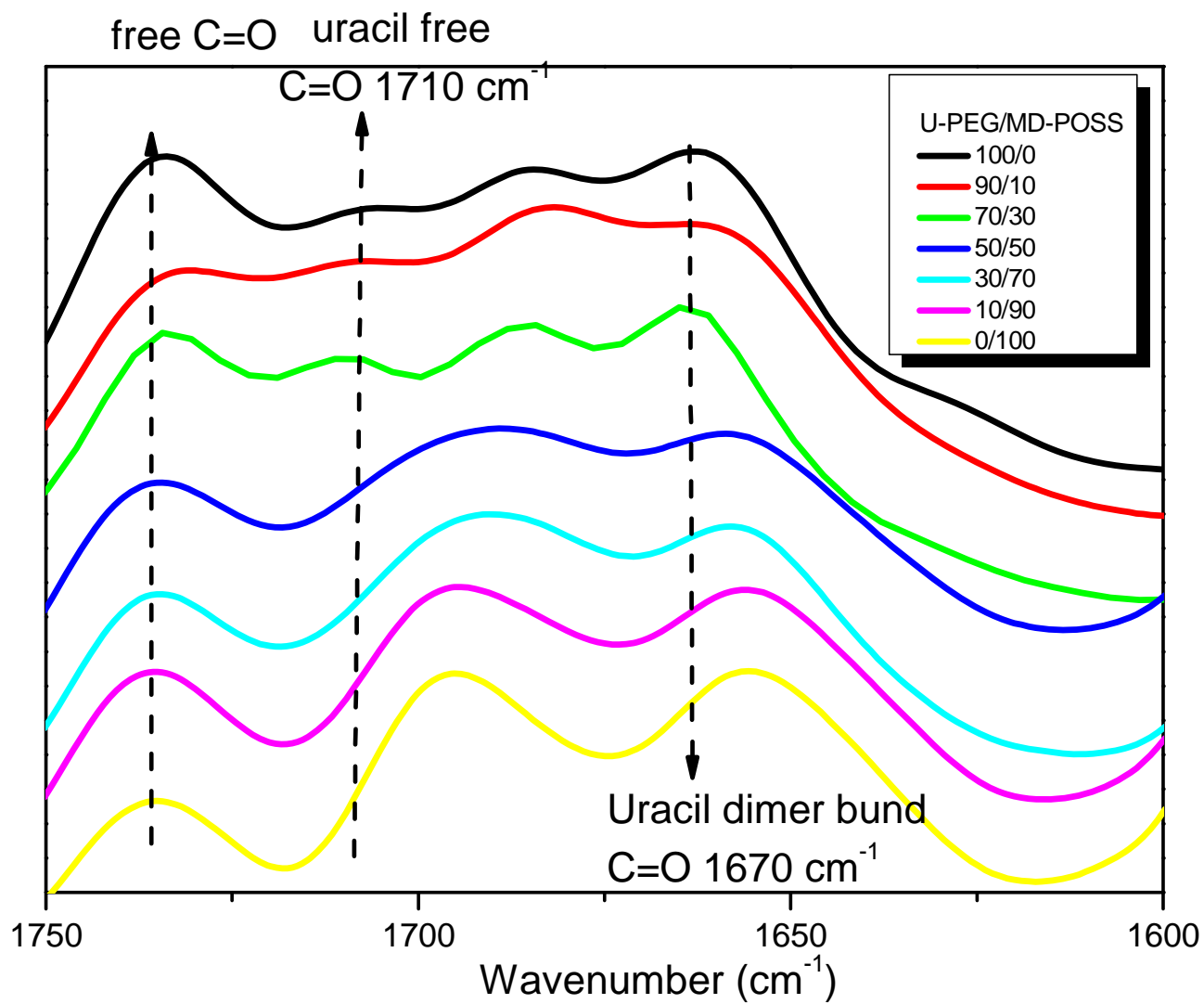


Figure S710 FT-IR of 1600-1750(cm^{-1}) range for U-PEG/MD-POSS blended system

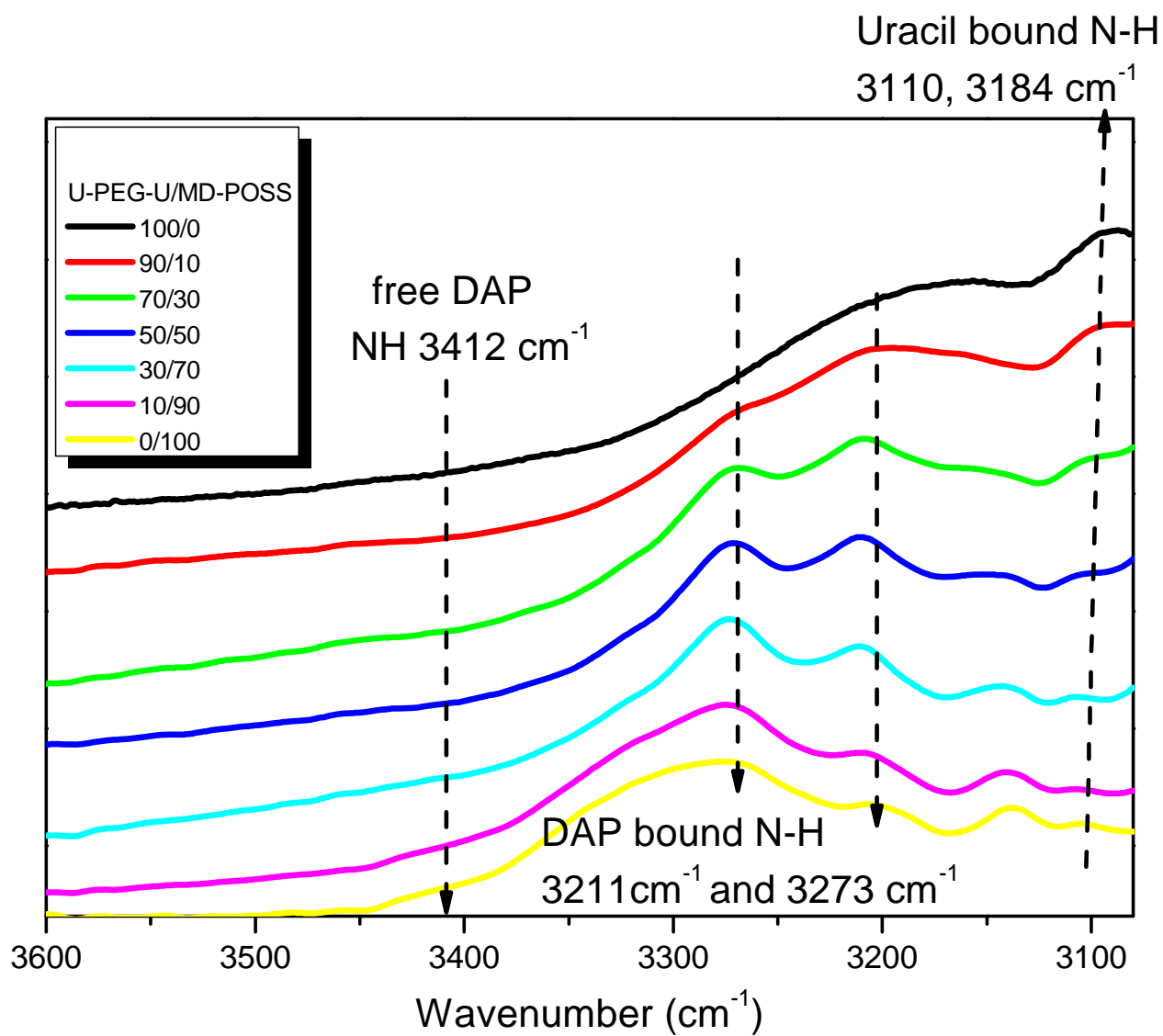


Figure S11. FT-IR of 3100-3500(cm^{-1}) range for U-PEG-U/MD-POSS blended system

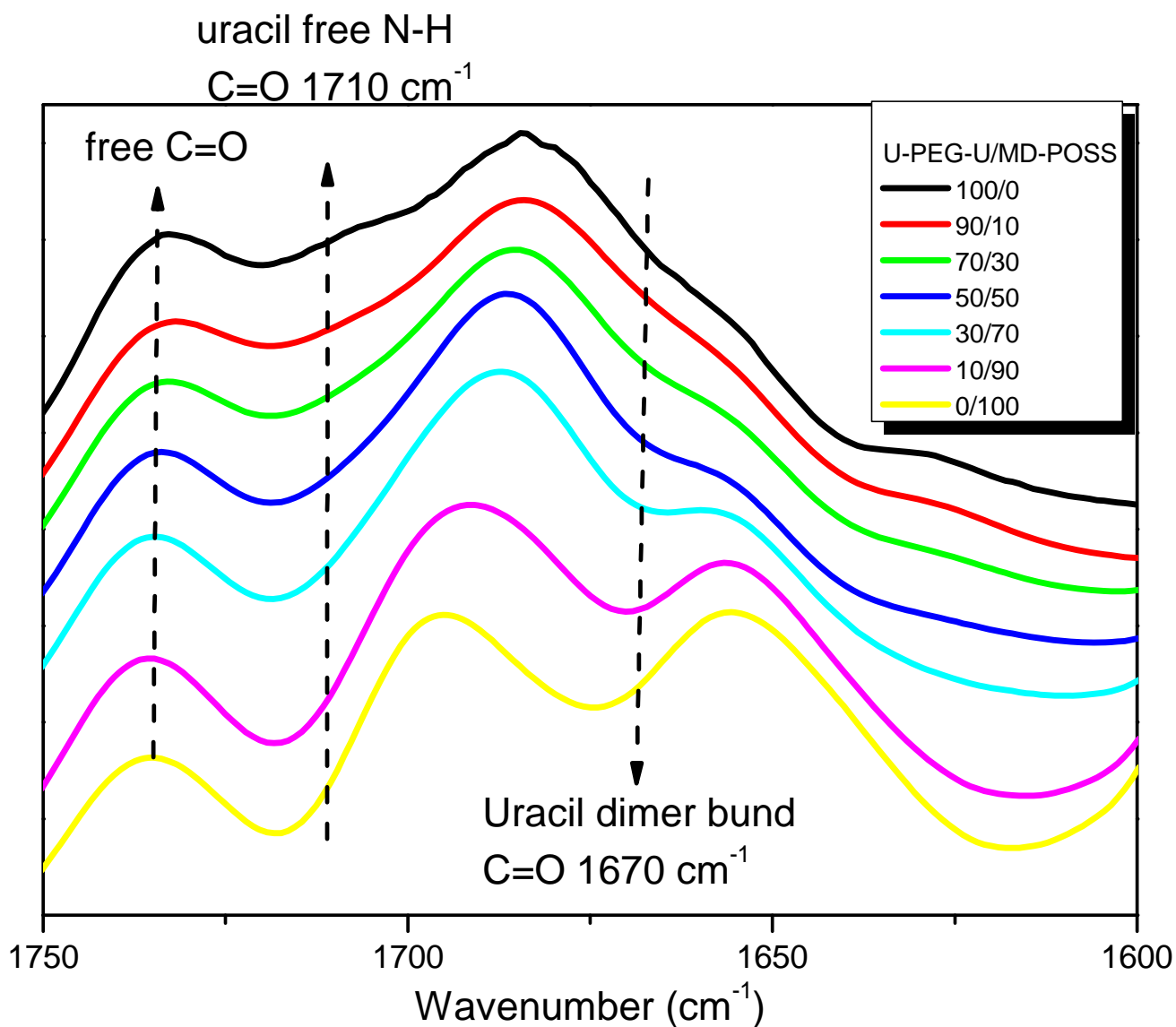


Figure S12. FT-IR of 1600-1750(cm⁻¹) range for U-PEG-U/MD-POSS blended system

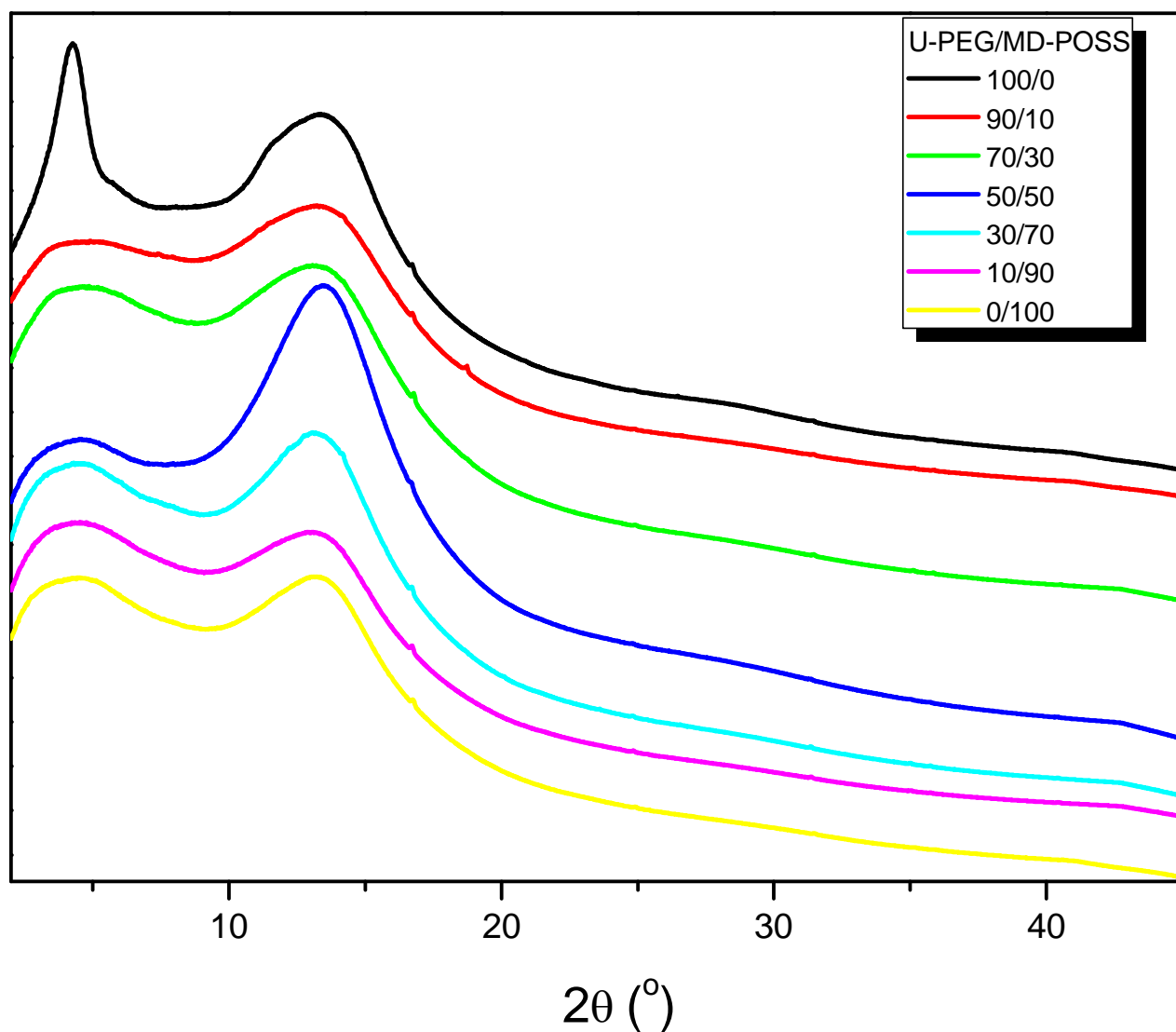


Figure S13. WAXD of U-PEG/MD-POSS blended systems

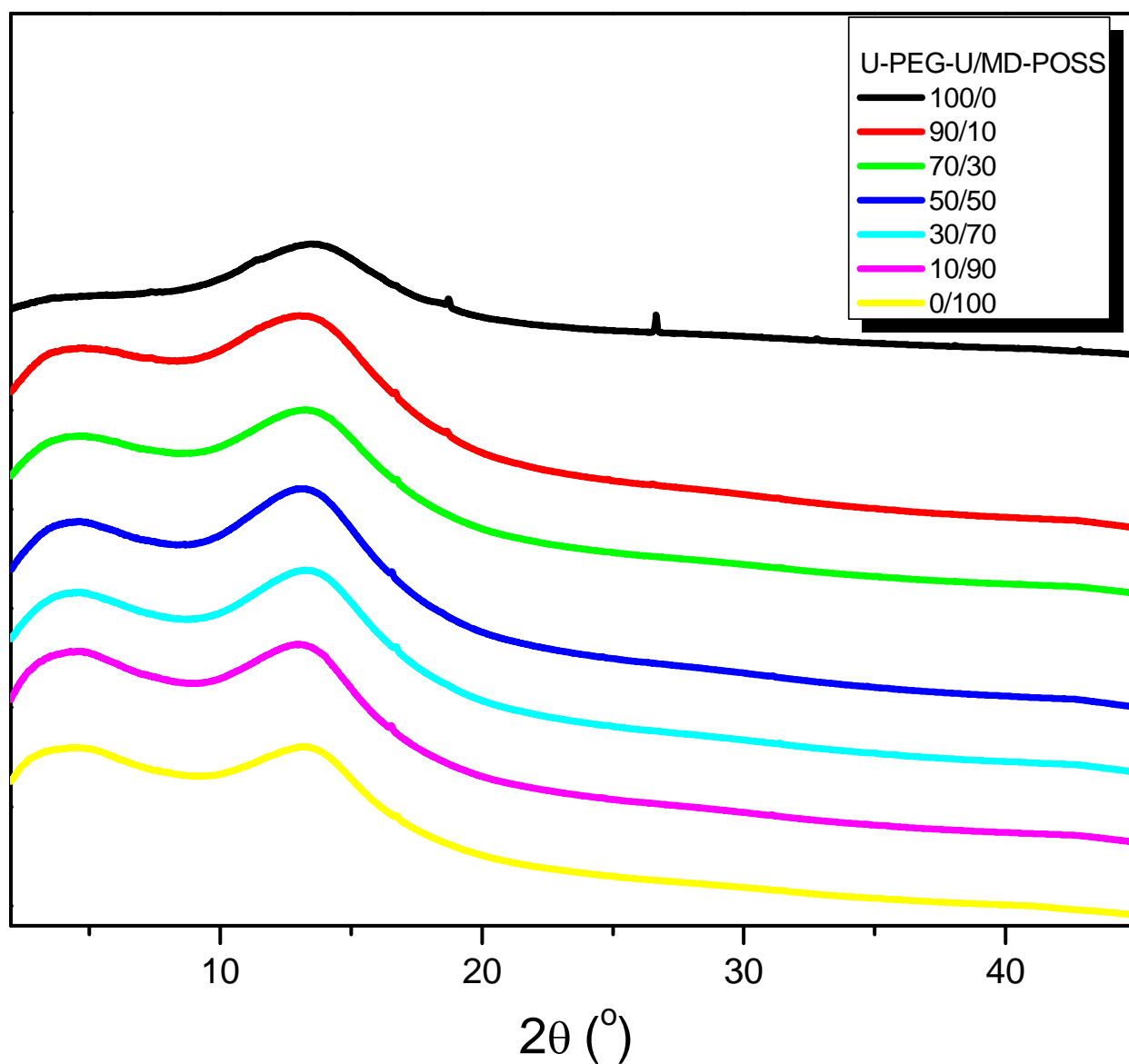


Figure S14. WAXD of U-PEG-U/MD-POSS blended system