Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Supplementary information

Synthesis and Polymerization of a New Hydantoin Monomer With Three Halogen Binding Sites for the Development of Highly Antibacterial Surfaces

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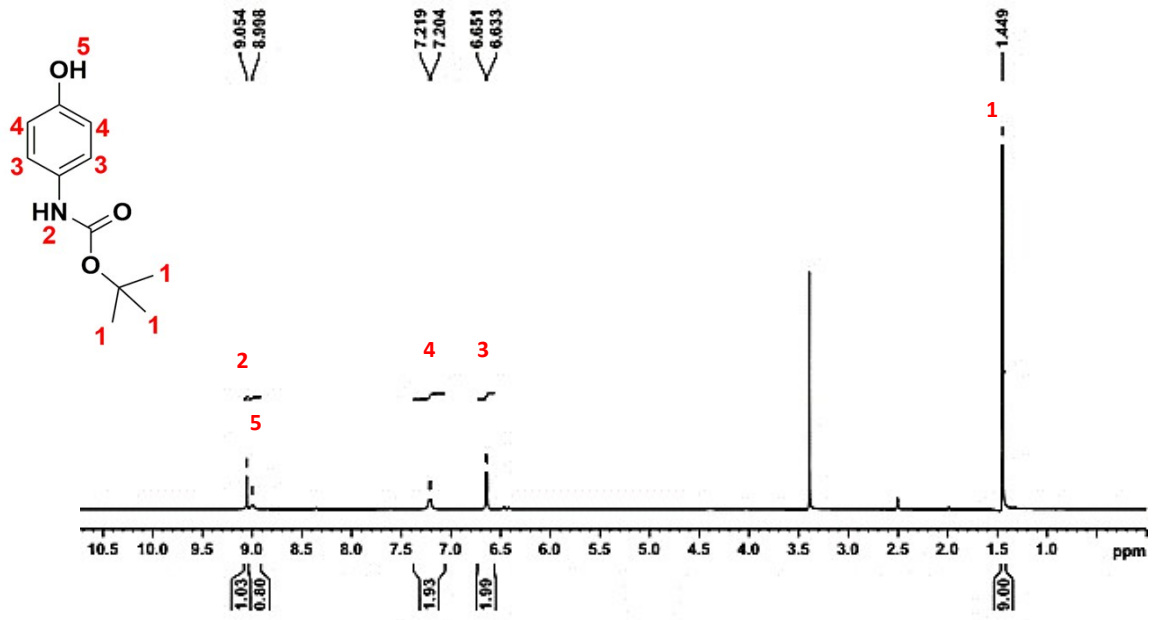

Fig S1. ^{1}H NMR of tert-butyl(4-hydroxyphenyl)carbamate (TBHC)

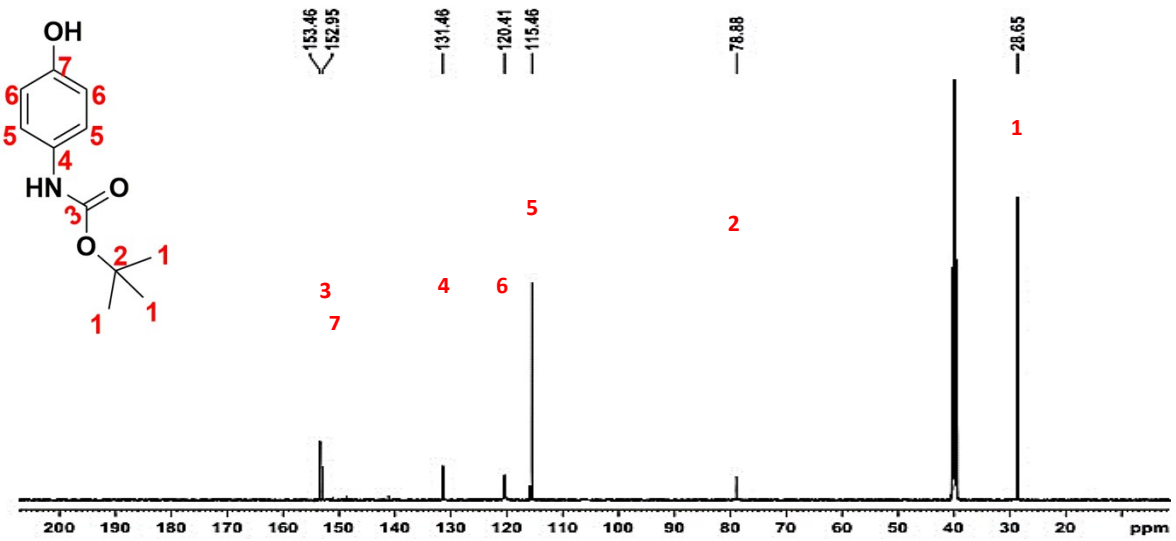

Fig S2. ^{13}C NMR of tert-butyl(4-hydroxyphenyl)carbamate (TBHC)

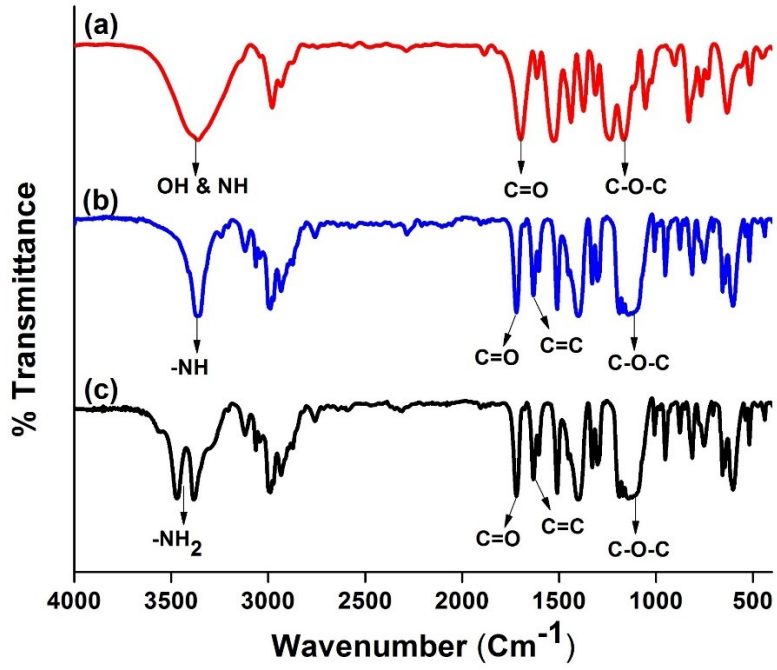

Fig S3. FTIR Spectra of TBHC (a), TBPM (b) and APM (c)

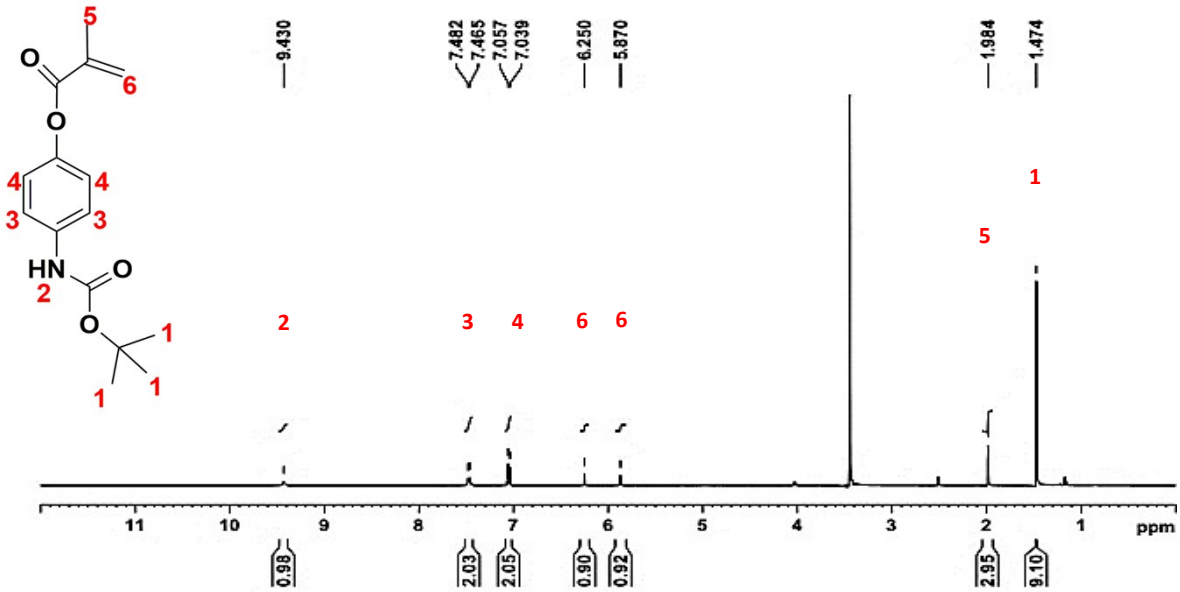

Fig S4. ^{1}H NMR of 4-((tert-butoxycarbonyl)amino)phenyl methacrylate (TBPM)

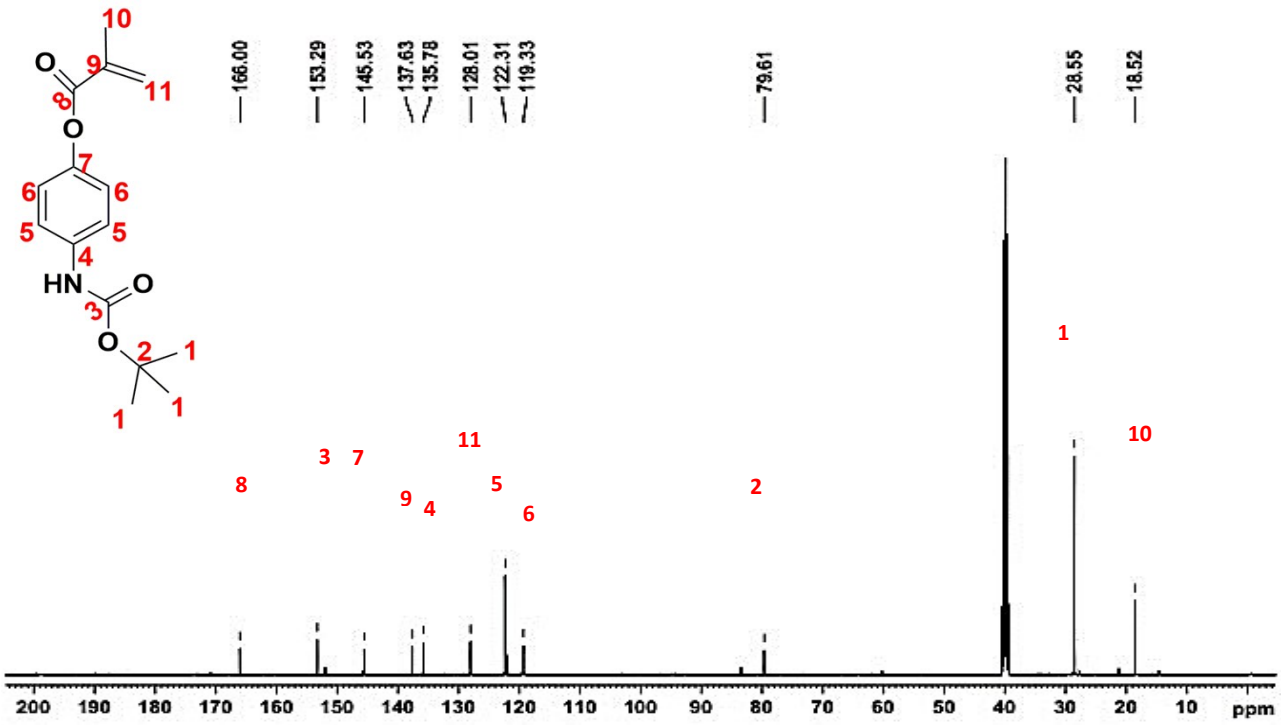

Fig S5. ^{13}C NMR of 4-((tert-butoxycarbonyl)amino)phenyl methacrylate (TBPM)

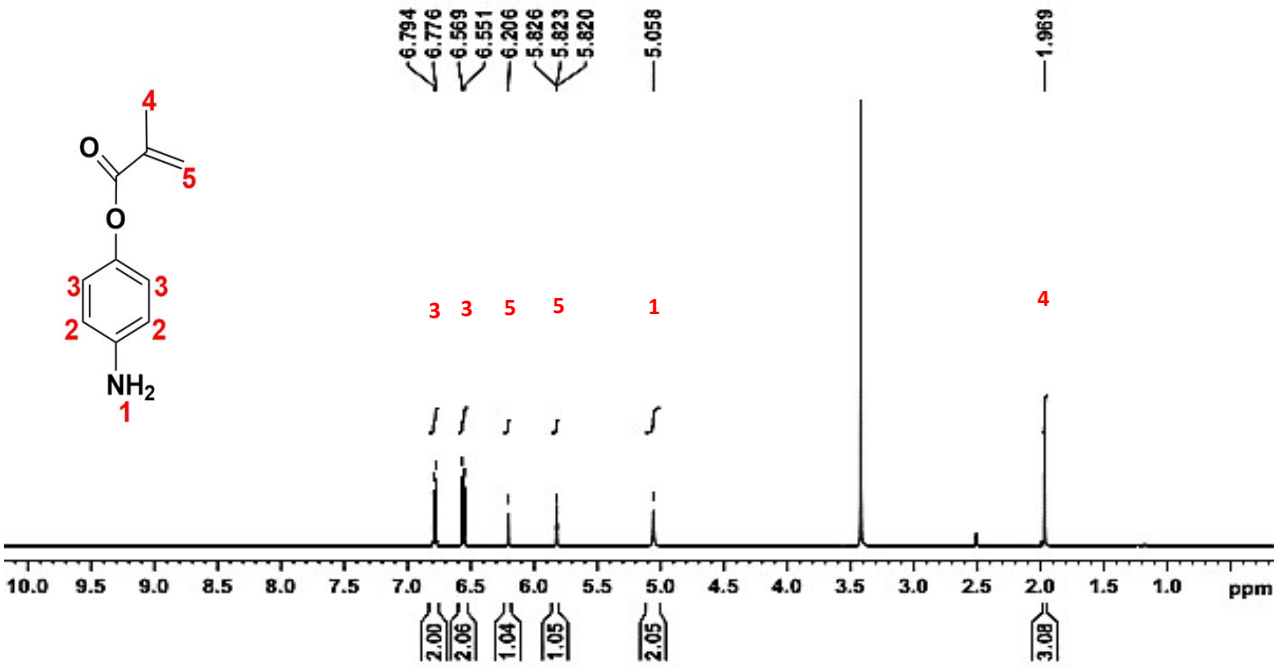

Fig S6. ^{1}H NMR of 4-aminophenyl methacrylate (APM)

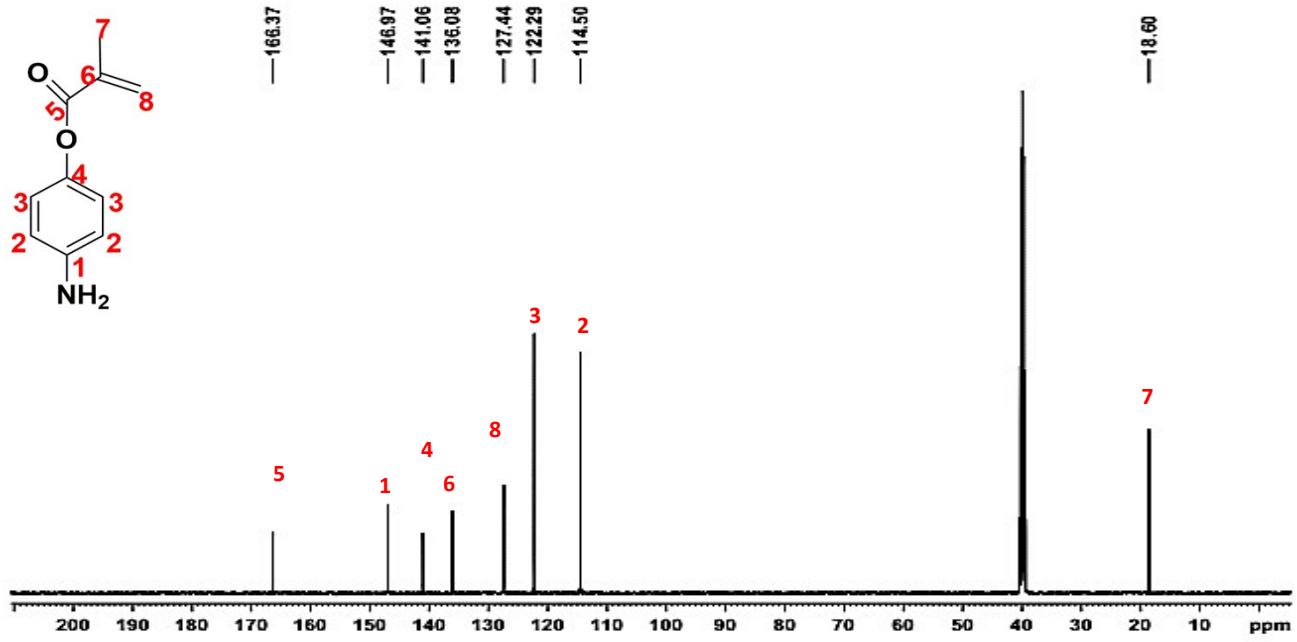

Fig S7. ^{13}C NMR of 4-aminophenyl methacrylate (APM)

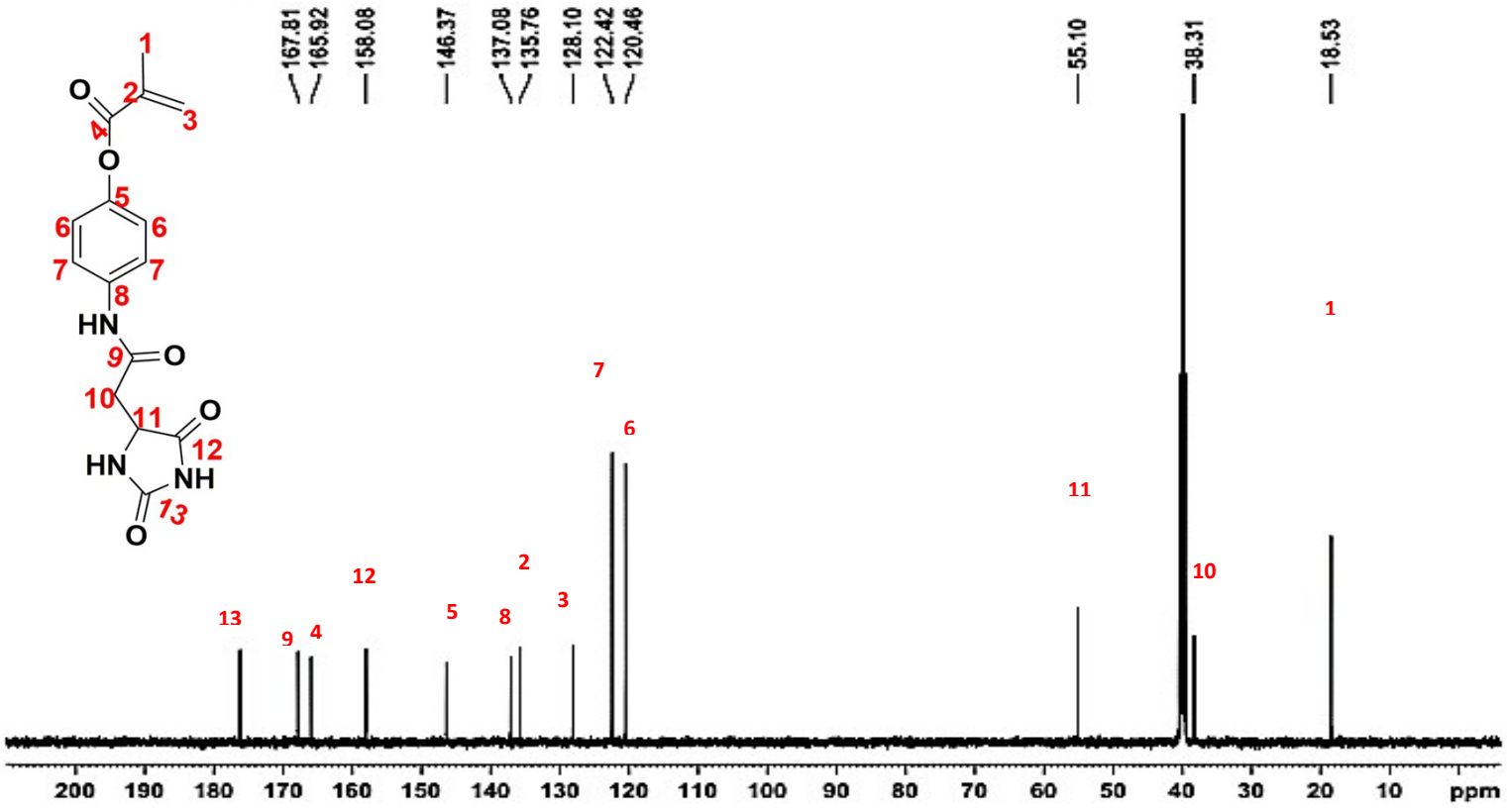

Fig S8. ^{13}C NMR of 4-(2-(2,5-dioxoimidazolidin-4-yl acetamido)phenyl methacrylate (DAPO)

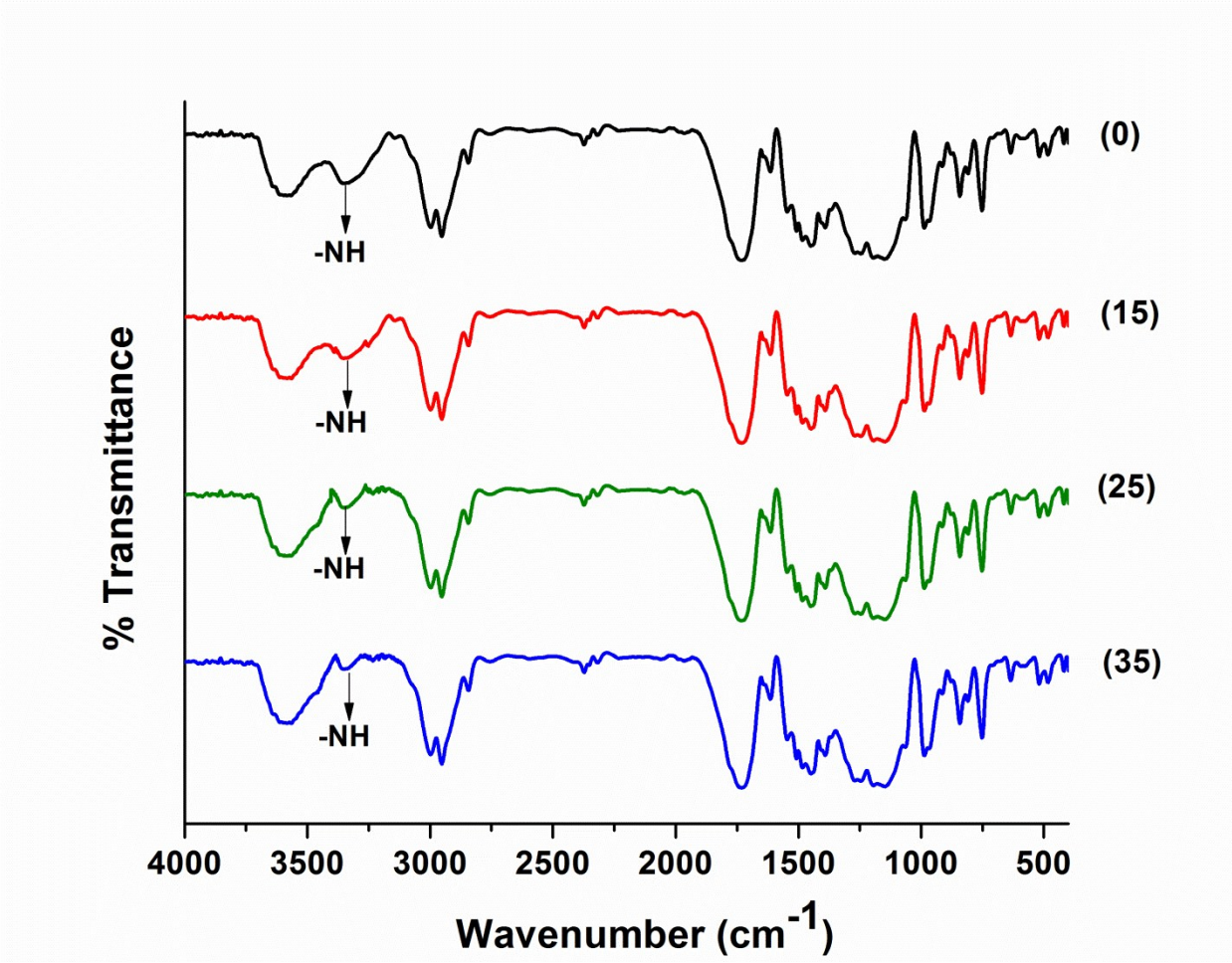

Fig S9. ATR-FTIR Spectra of poly(DAPO-co-MMA) film before (0) and after (15), (25) and (35) washes.

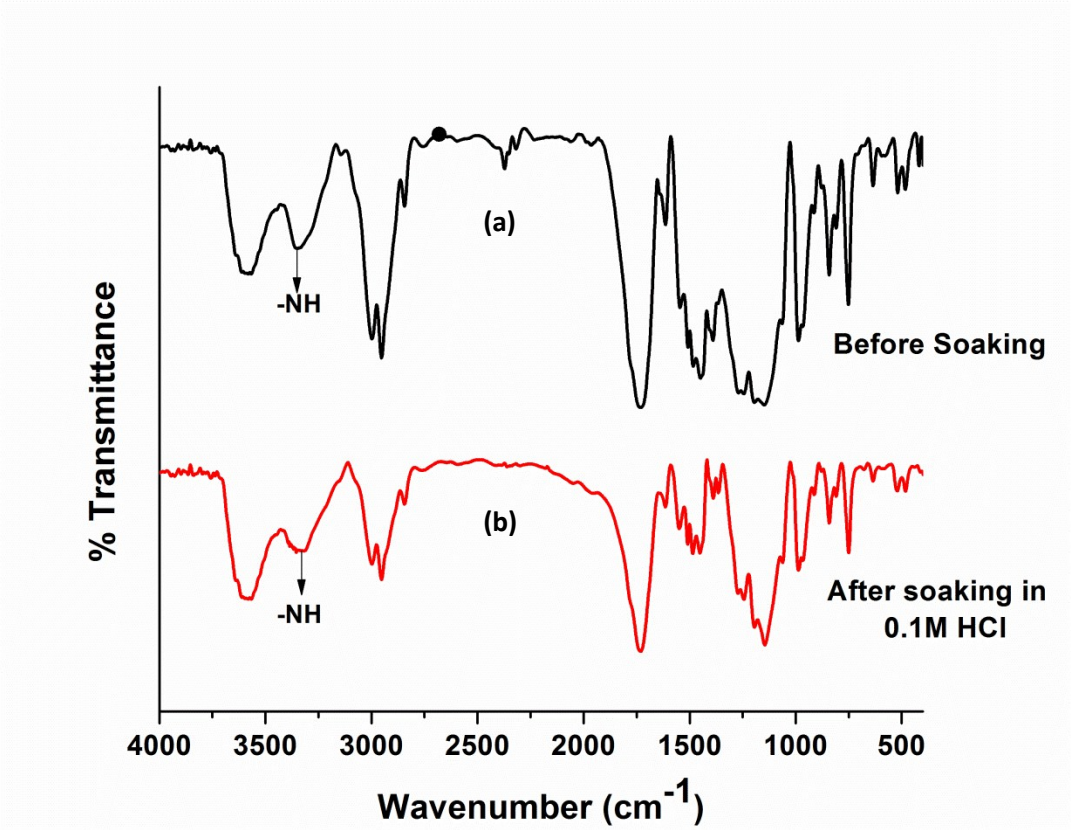

Fig S10. ATR-FTIR Spectra of poly(DAPO-co-MMA) film before soaking (a) and after soaking for 24 h in 0.1M HCl (b) .