

Supplementary Materials: Multifunctional Benzoxazines Feature Low Polymerization Temperature and Diverse Polymer Structures

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P-a

3-phenyl-2,4-dihydro-1,3-benzoxazine:

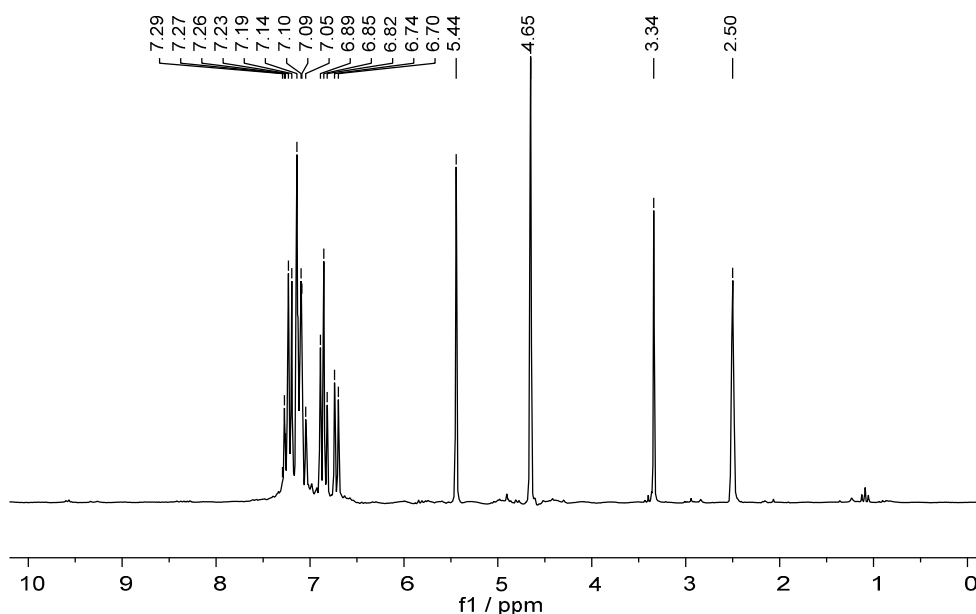


Figure S1. ^1H NMR of P-a.

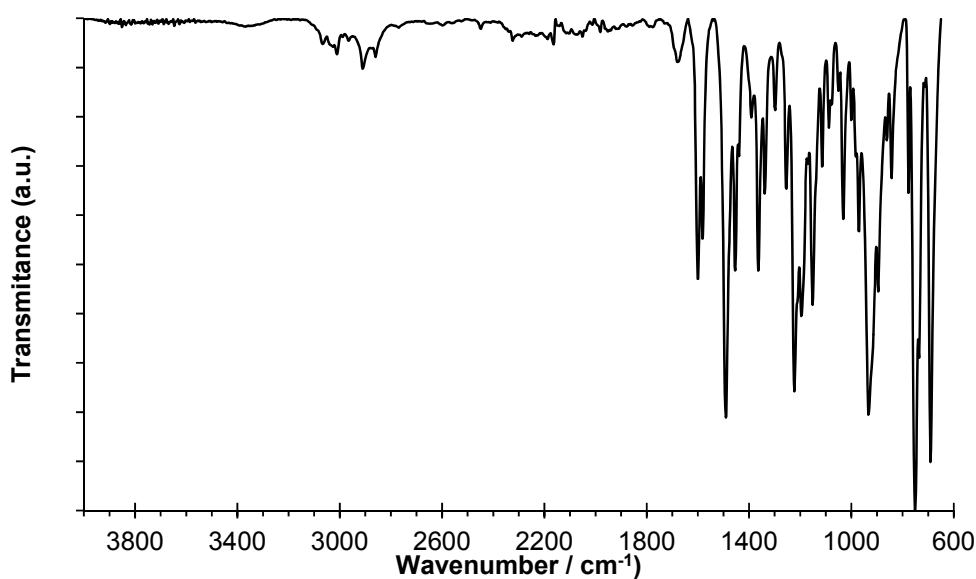


Figure S2. IR(ATR) of P-a.

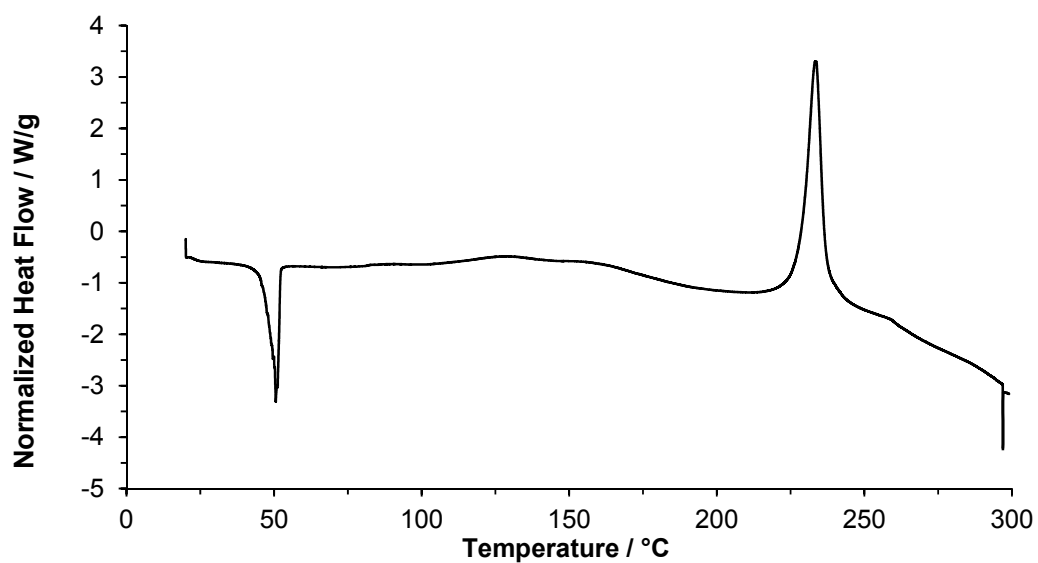


Figure S3. DSC of P-a.

R-a

3,9-diphenyl-2,4,8,10-tetrahydro-[1,3]oxazino[6,5-f][1,3]benzoxazine:

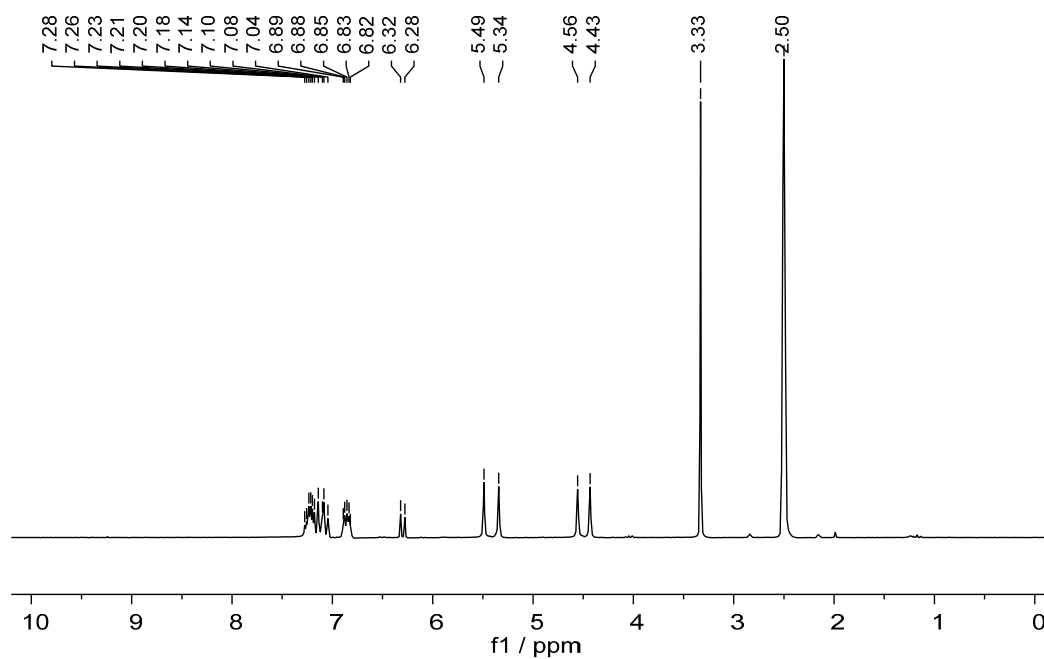


Figure S4. ¹H NMR of R-a.

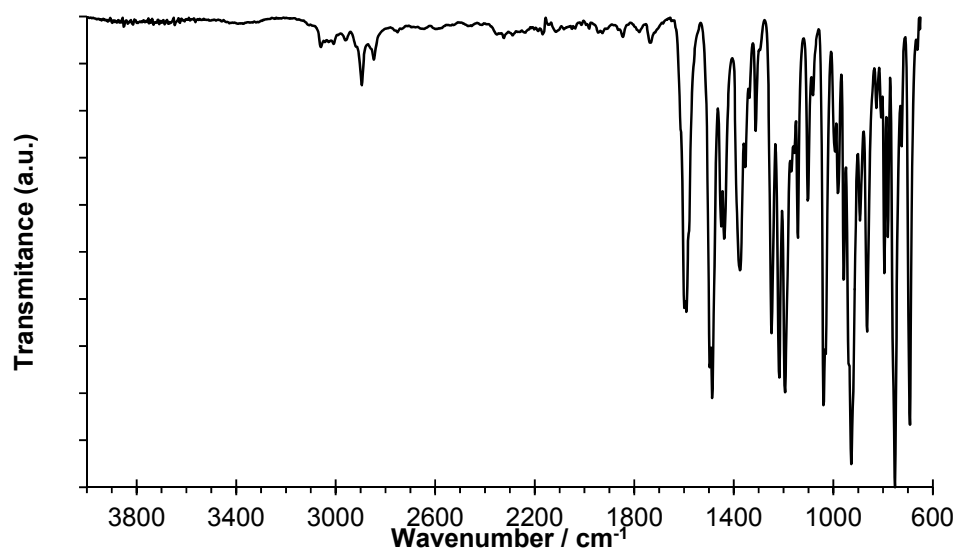


Figure S5. IR(ATR) of R-a.

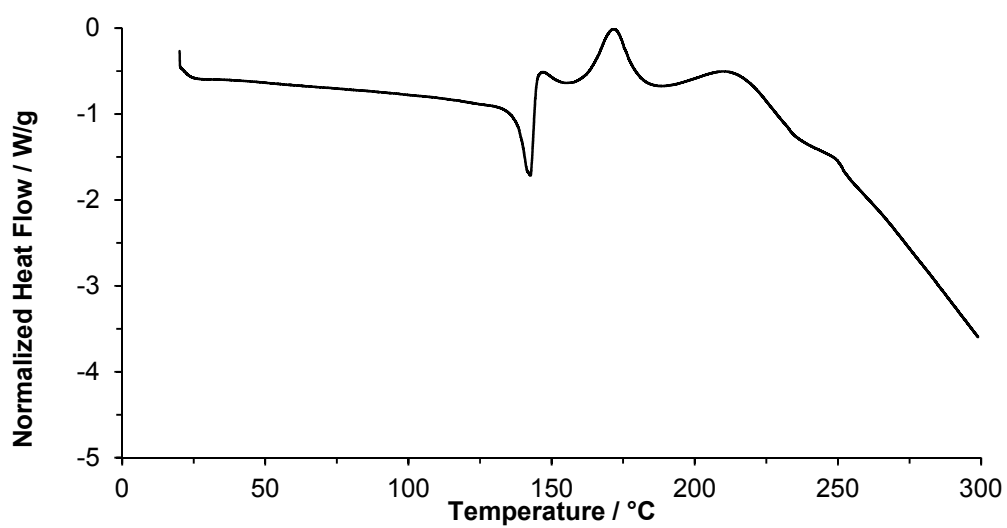
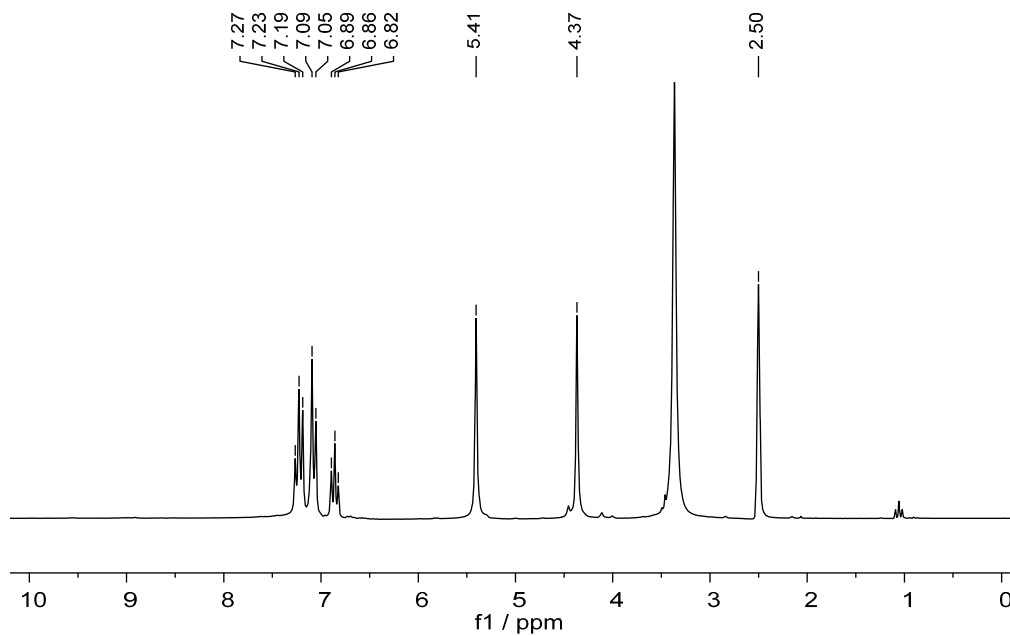
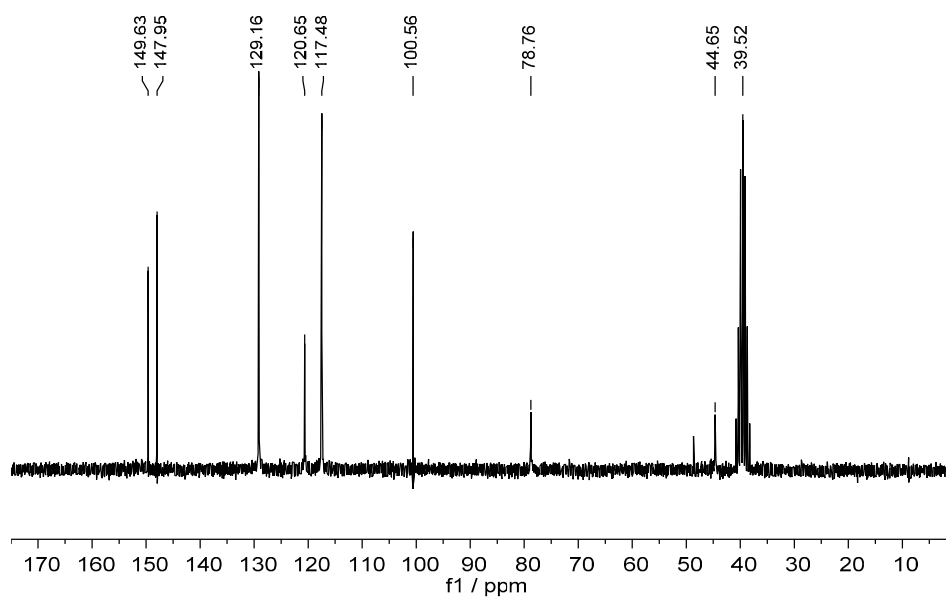


Figure S6. DSC of R-a.

T-a

3,7,11-triphenyl-3,4,6,7,8,10,11,12-octahydro-2H-1,5,9-trioxa-3,7,11-triazatriphenylene:

**Figure S7.** ¹H NMR of T-a.**Figure S8.** ¹³C NMR of T-a.

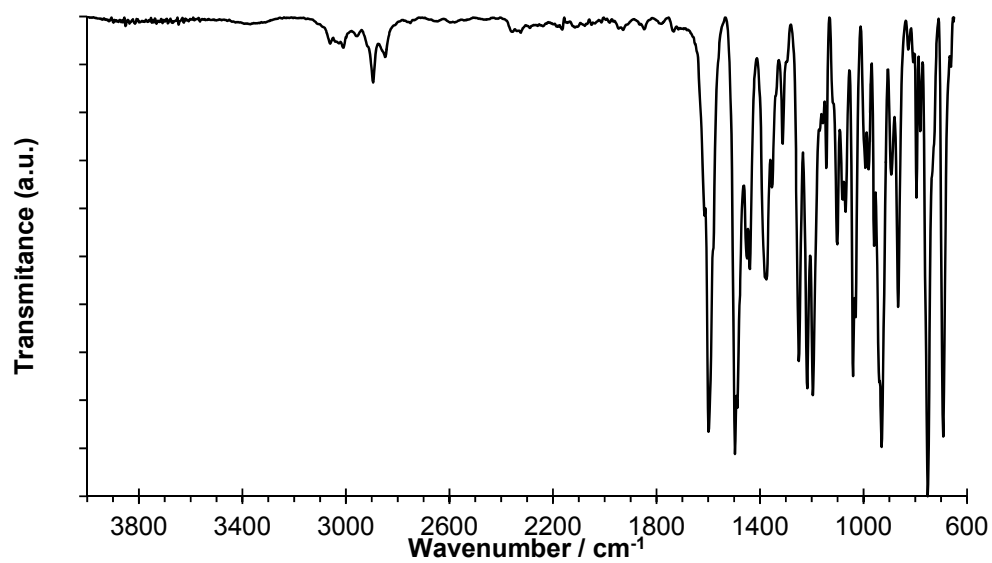


Figure S9. IR(ATR) of T-a.

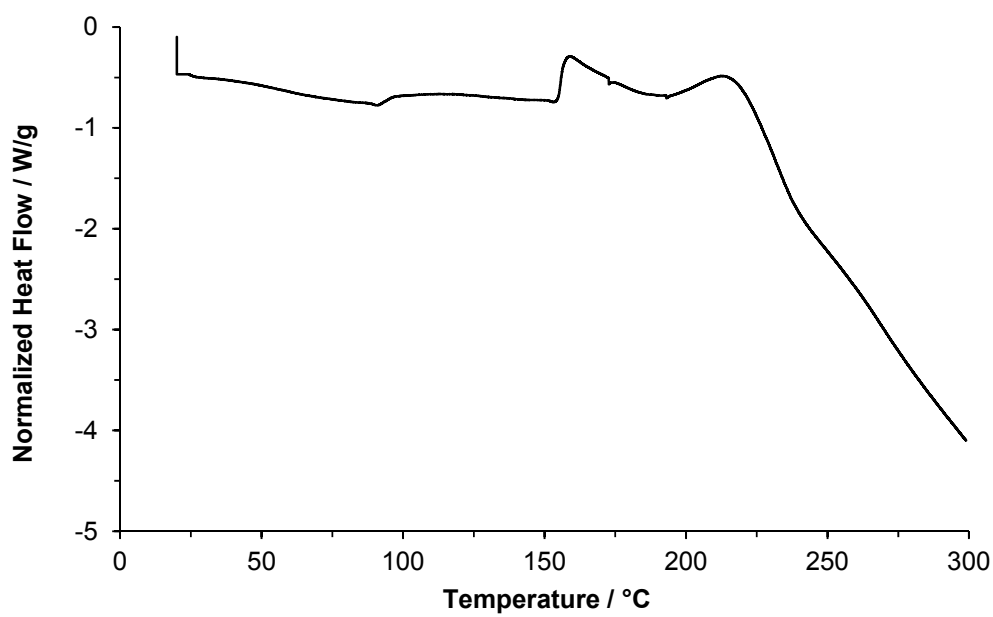


Figure S10. DSC of T-a.

IR of polymers

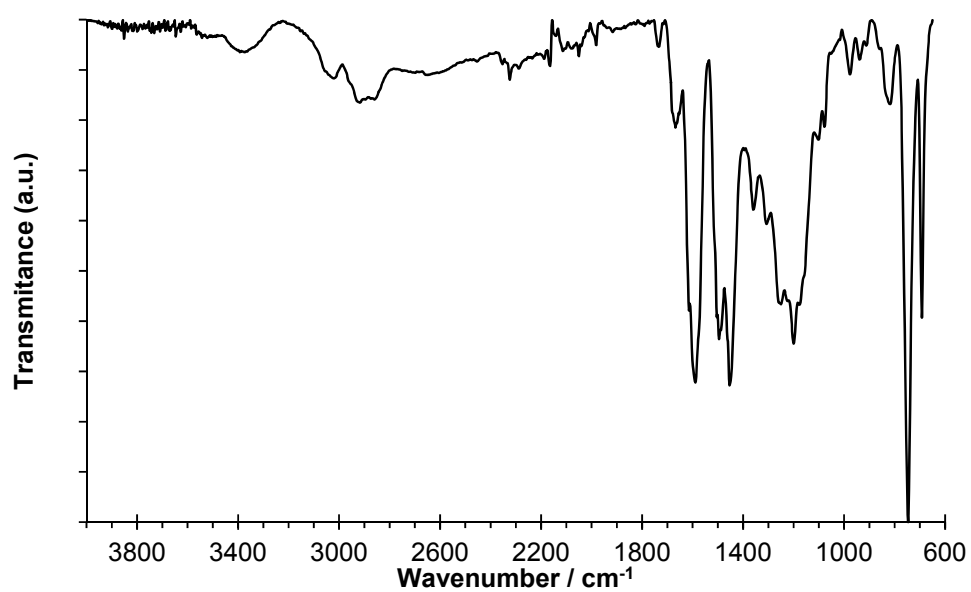


Figure S11. IR of poly(P-a).

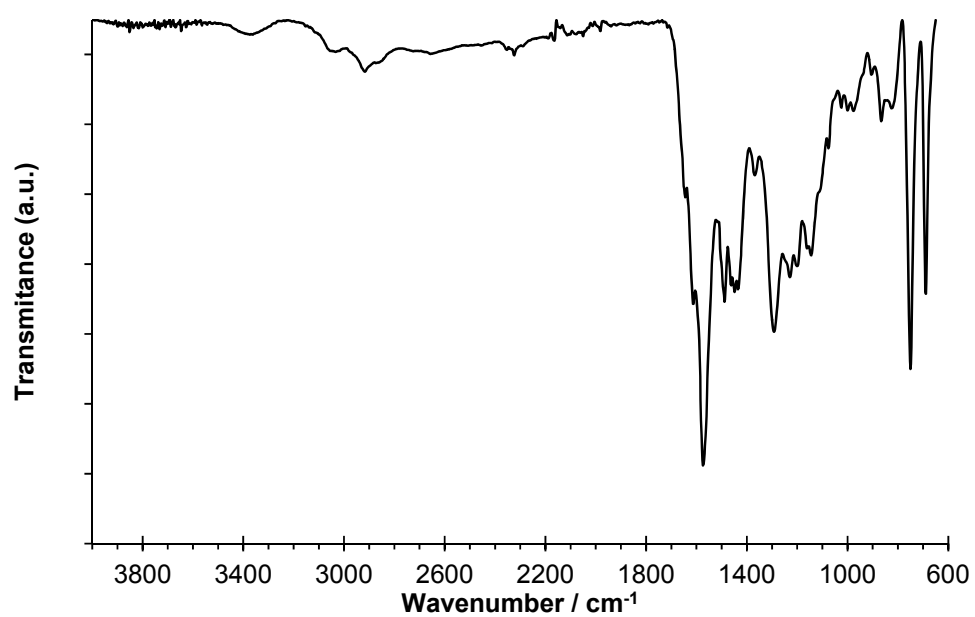


Figure S12. IR of poly(R-a).

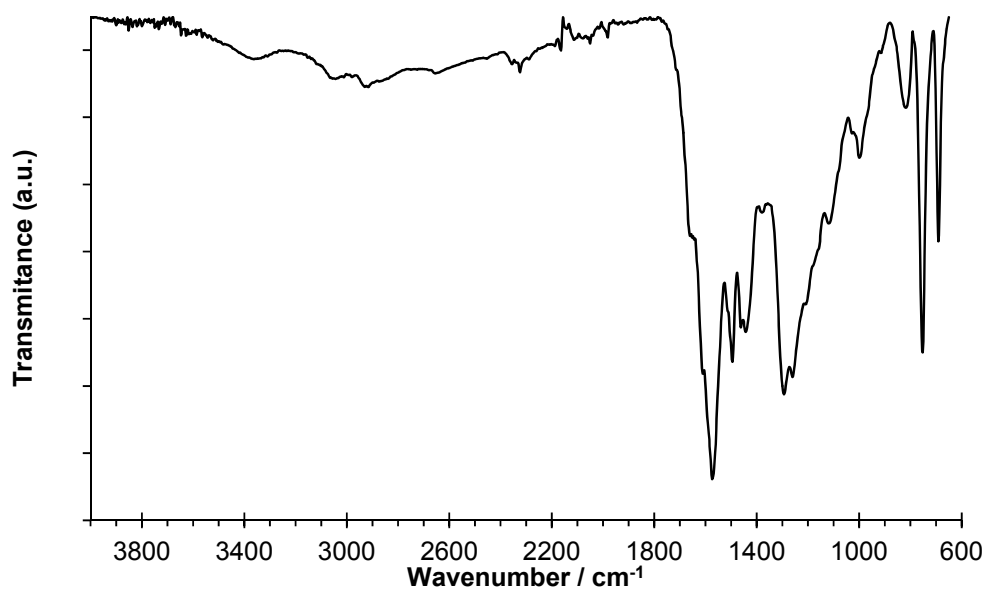


Figure S13. IR of poly(T-a).

¹³C CPTOSS experiments of polymers

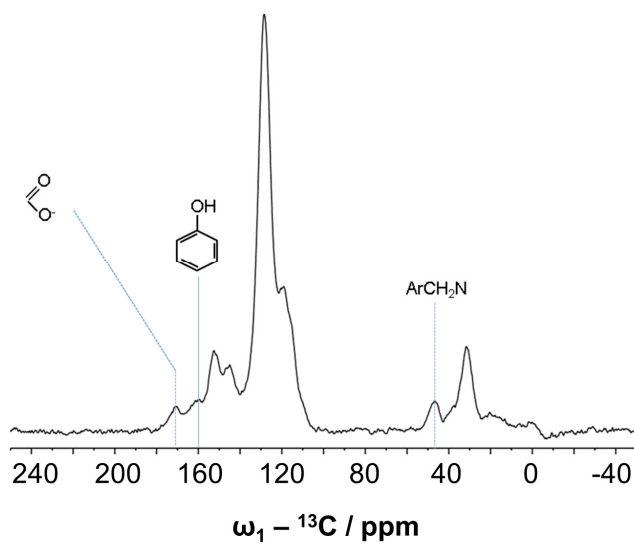
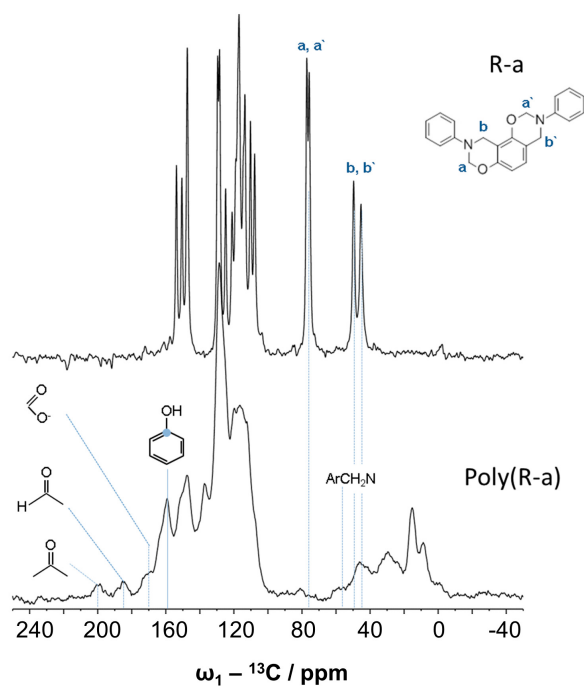
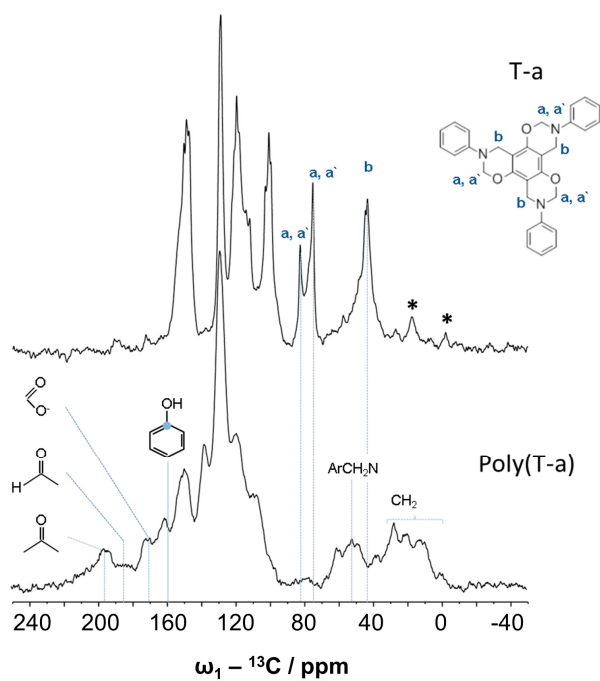


Figure S14. ¹³C CP TOSS of poly(P-a).

Figure S15. ^{13}C CP TOSS of poly(R-a).Figure S16. ^{13}C CP TOSS of poly(T-a). * signals detected in CPTOSS and not in solution ^{13}C experiments.