Electronic Supplementary Material (ESI) for Polymer Chemistry.

Supplementary Information
for
Coumarines as Masked Phenols for Amide
Functional Benzoxazines

Gizem Kaya,[1] Baris Kiskan,[1]* Yusuf Yagci[1]

[1]*Istanbul Technical University, Science and Literature Faculty, Department of Chemistry, 34469, Maslak, Istanbul, Turkey*

Figure S1: DHC-3-Hydroxyanilide

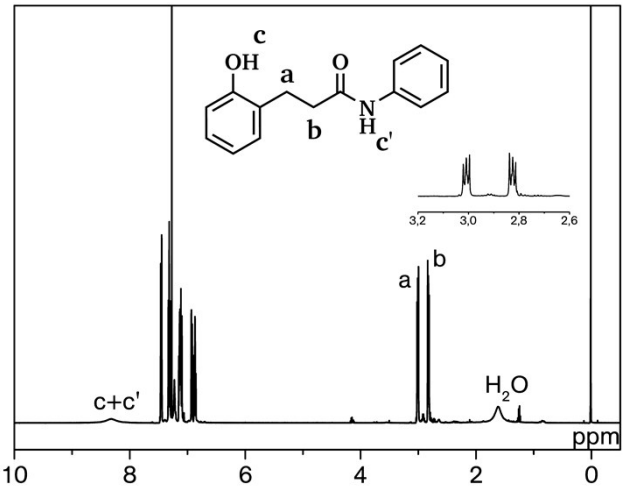

Figure S2: [1]H NMR spectrum of DHC-benzanilide

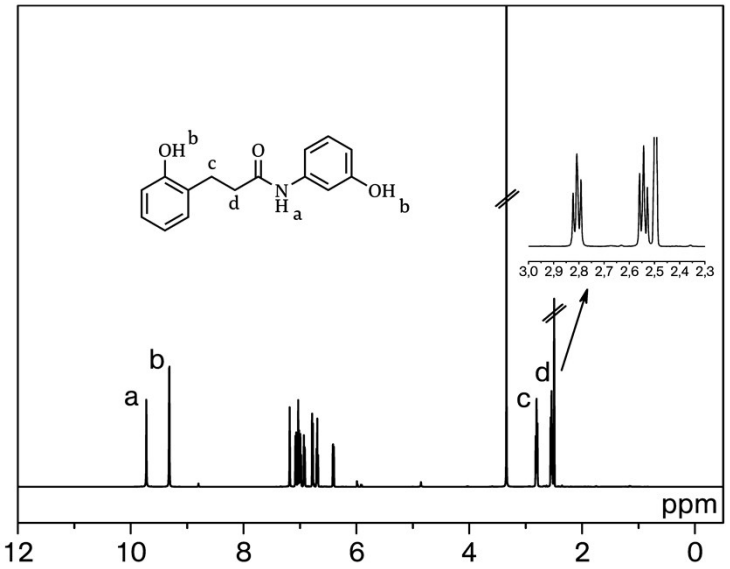

Figure S3: ^{1}H NMR spectrum of DHC-3-hydroxybenzanilide

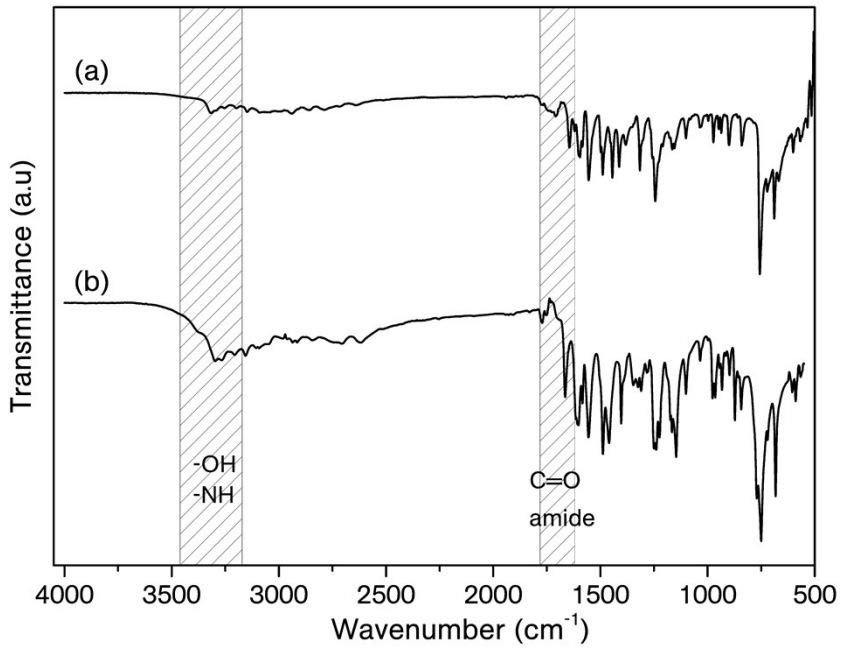

Figure S4: FTIR spectra of DHC-benzanilide (a) and DHC-3-hydroxybenzanilide (b)

Figure S5: DHC-PhenylBz-amide

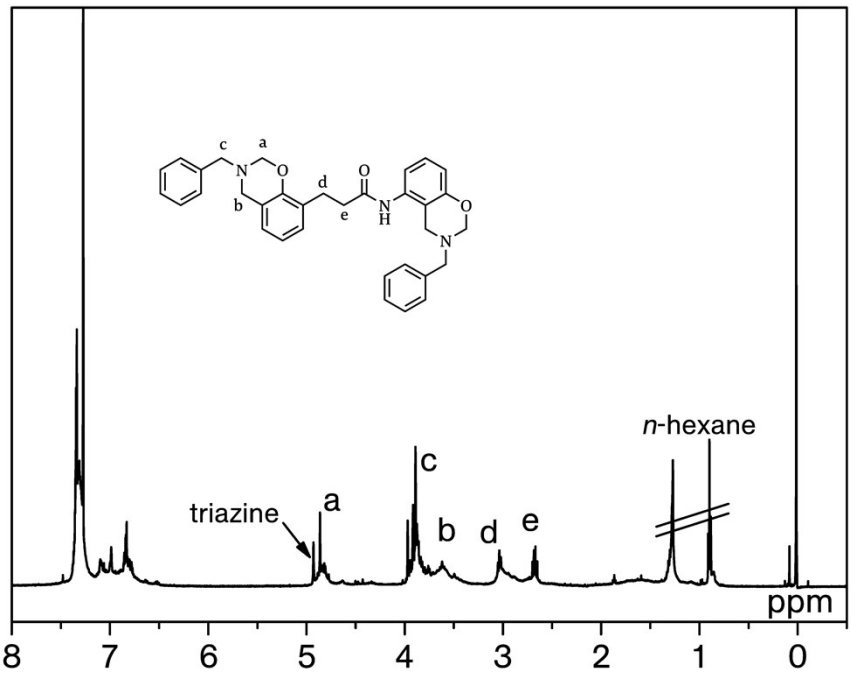

Figure S6: ^{1}H NMR spectrum of DHC-DiBenzylBz-amide

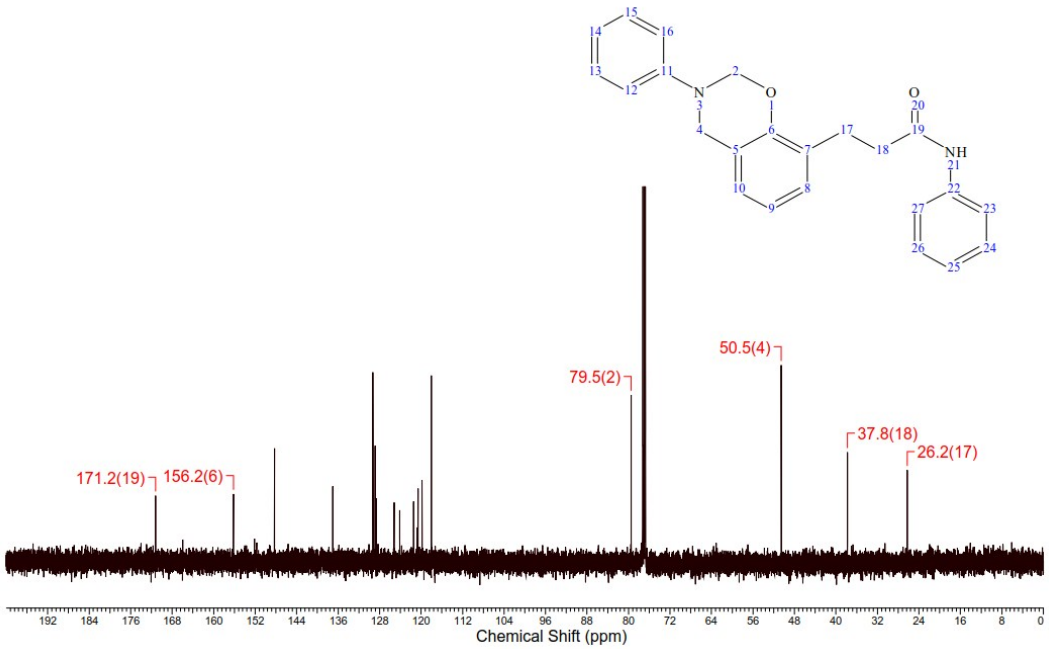

Figure S7: ^{13}C NMR spectrum of DHC-PhenylBz-amide

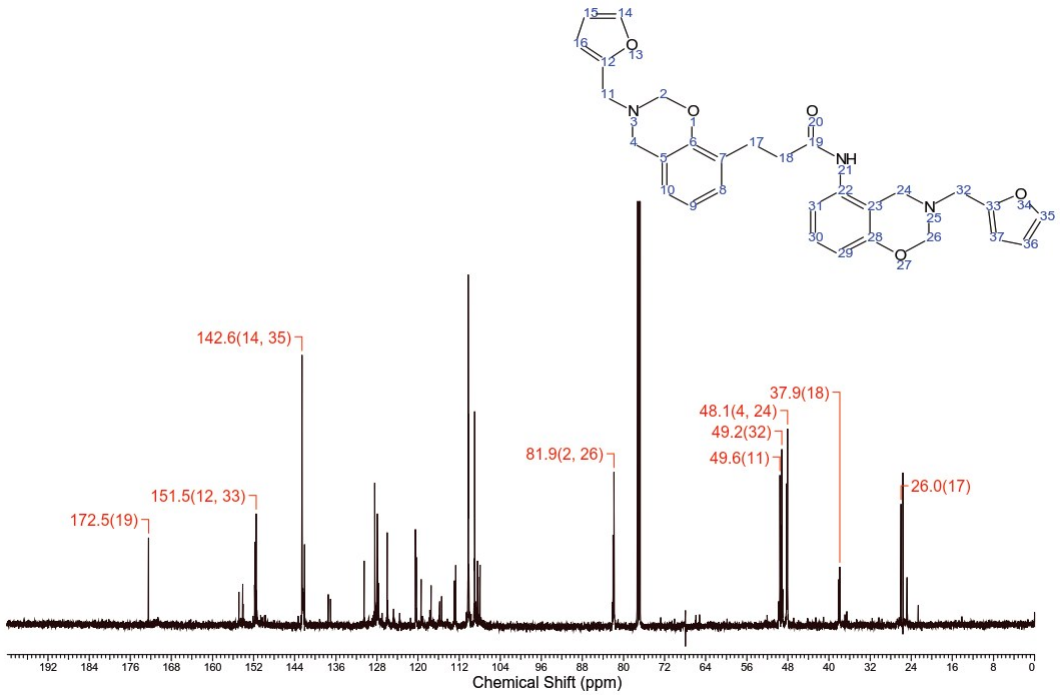

Figure S8: ^{13}C NMR spectrum of DHC-DiFurfurylBz-amide

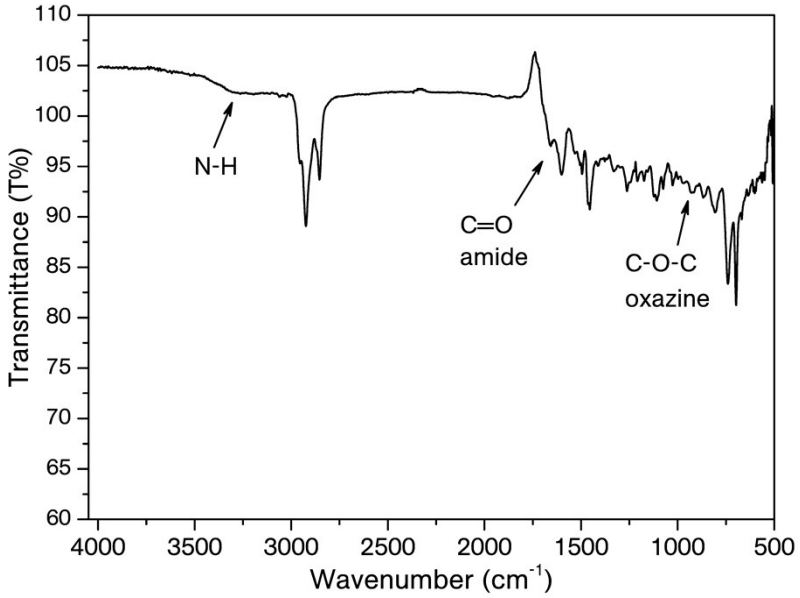

Figure S9: FTIR spectrum of DHC-DiBenzylBz-amide

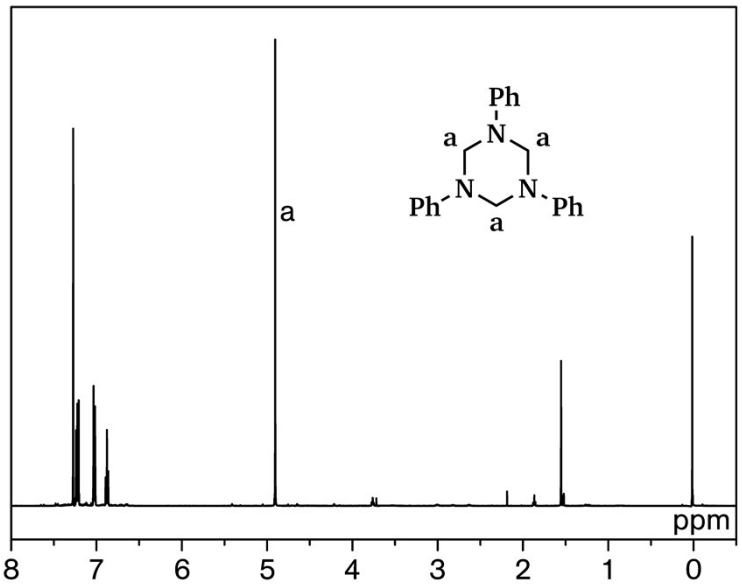

Figure S10: ^{1}H NMR spectrum of aniline based triazine isolated from the raw DHC-PhenylBz-amide.

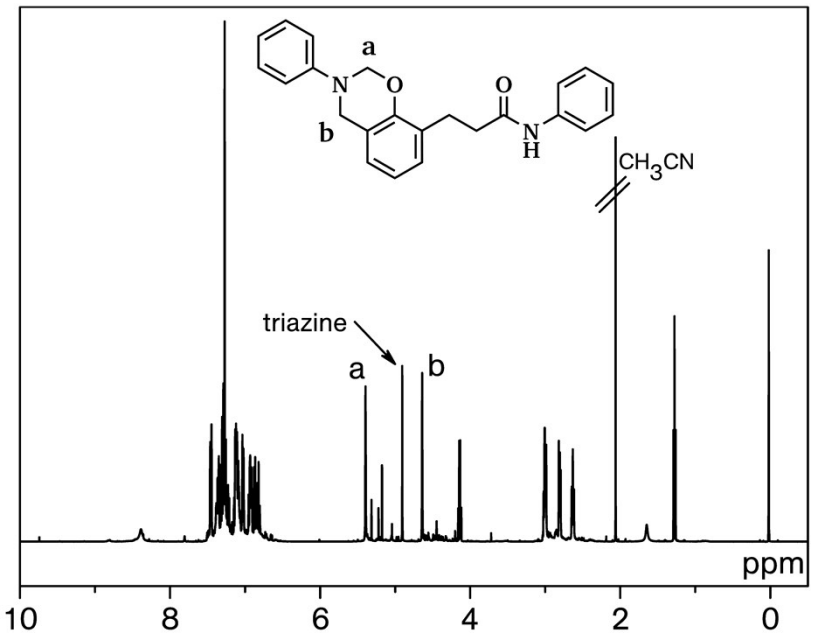

Figure S11: ^{1}H NMR spectrum of raw DHC-PhenylBz-amide from one-pot synthesis

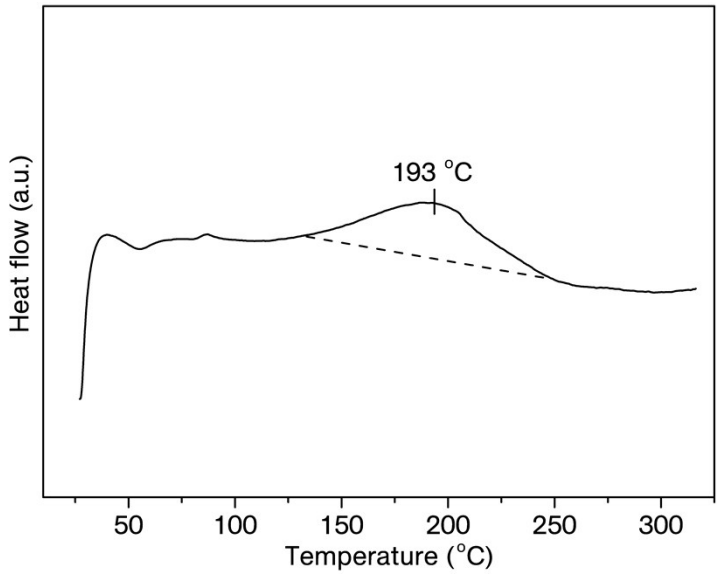

Figure S12: DSC thermogram of DHC-DiBenzylBz-amide

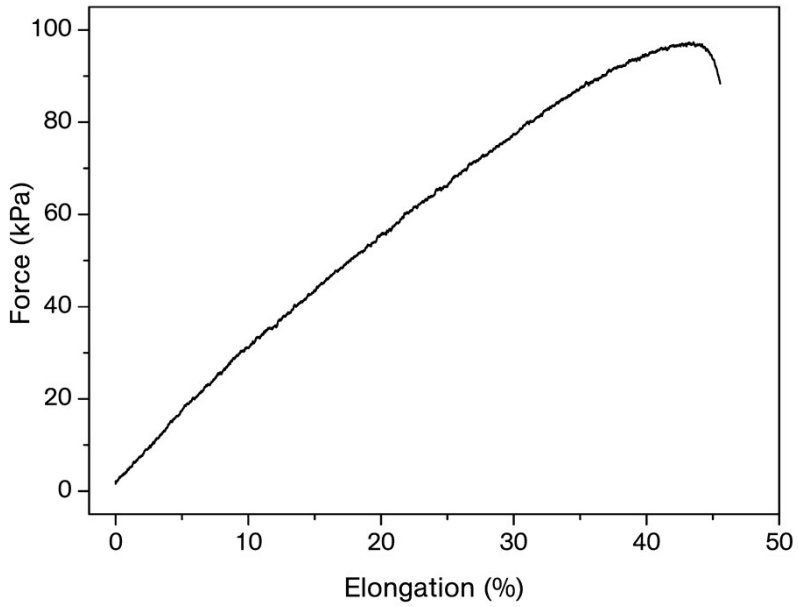

Figure S13: Stress-strain curve of cured poly(DHC-Bzamide-PPO) at between 160–220°C for prolonged time (45 min.)

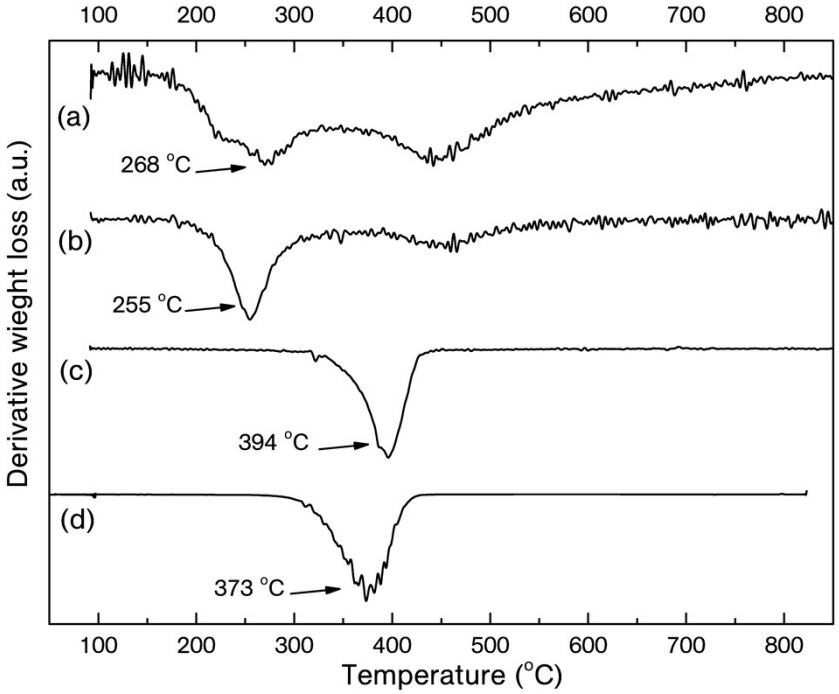

Figure S14: Derivative TGA of cured DHC-DiFurfurylBz-amide (a), DHC-PhenylBz-amide (b), poly(DHC-Bzamide-PPO) (c) and pristine PPO (d)