

Supporting information

Development of Near Infrared Novel Bioimaging Agent via Co-oligomerization of Congo Red with Aniline and o-phenylenediamine: Experimental and Theoretical Studies

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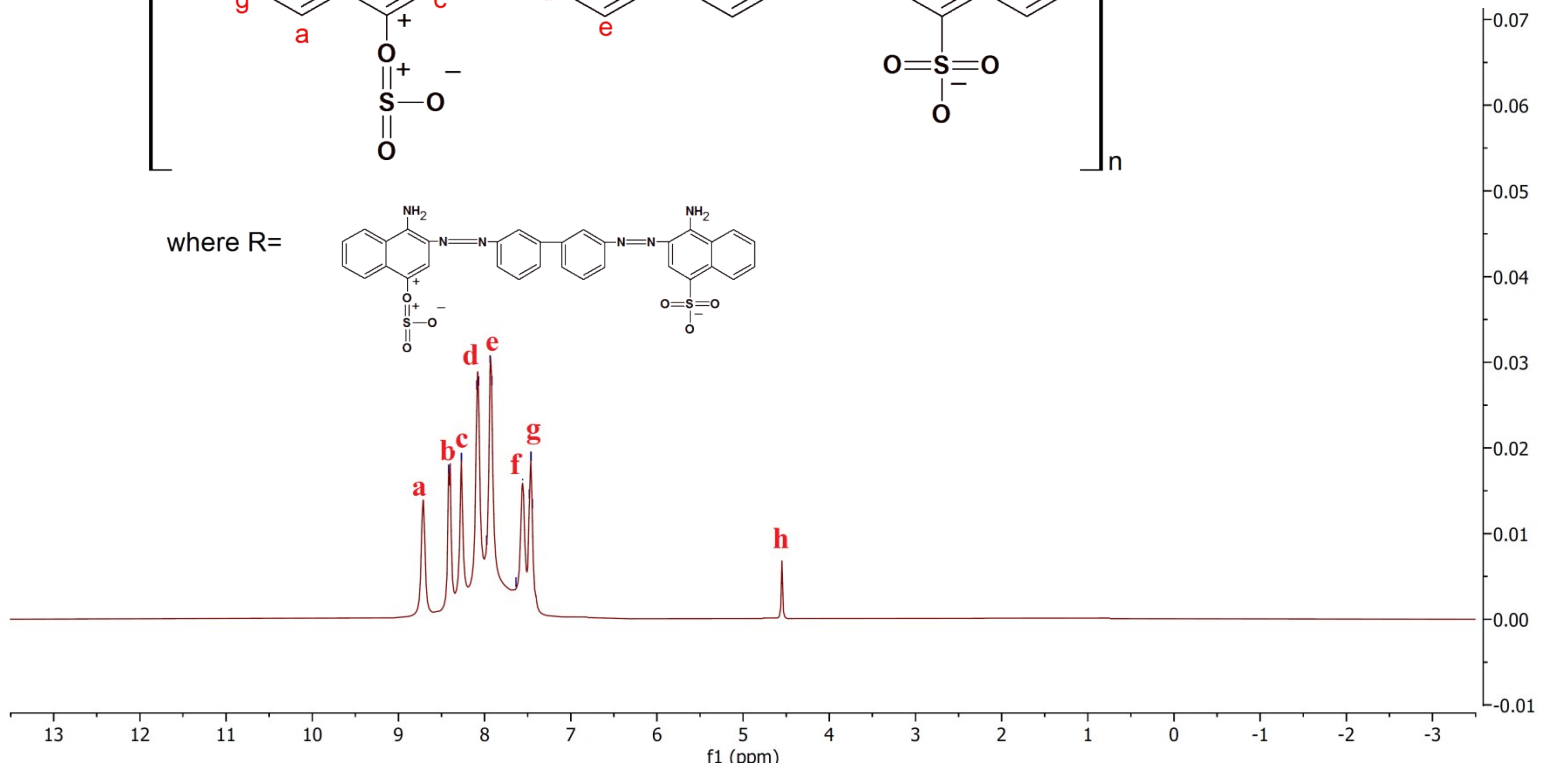
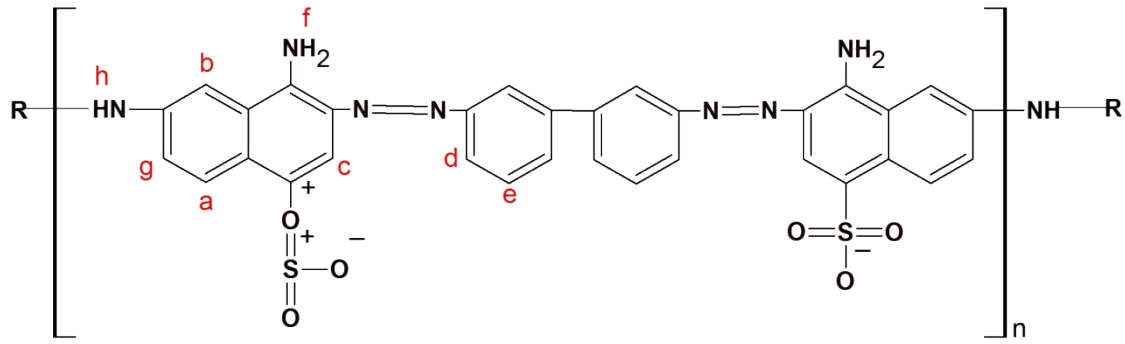
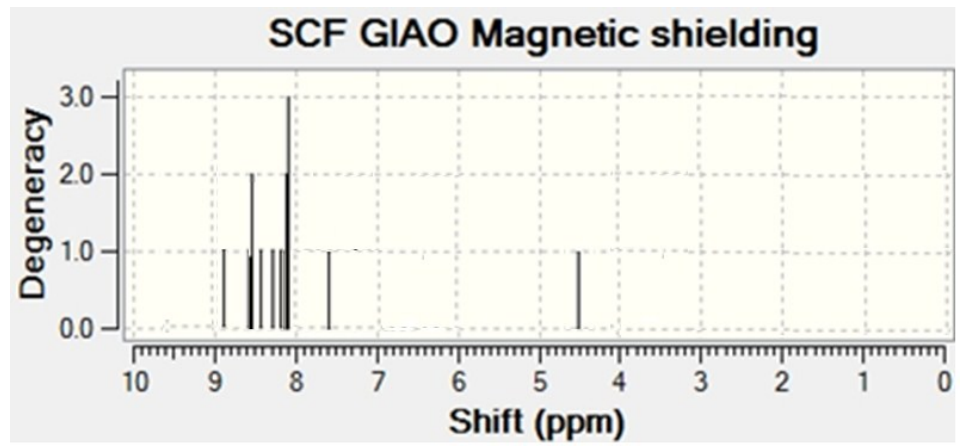
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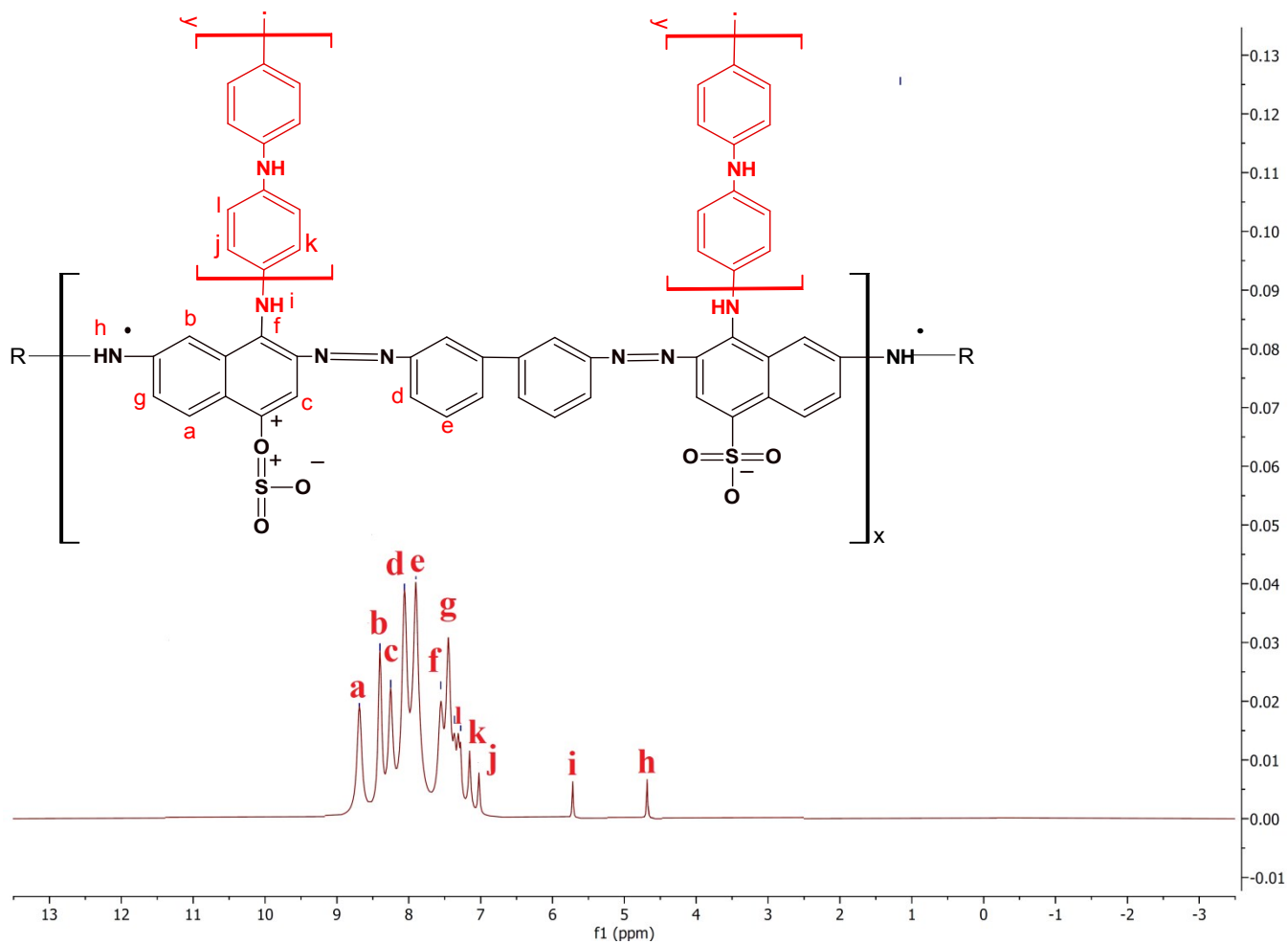
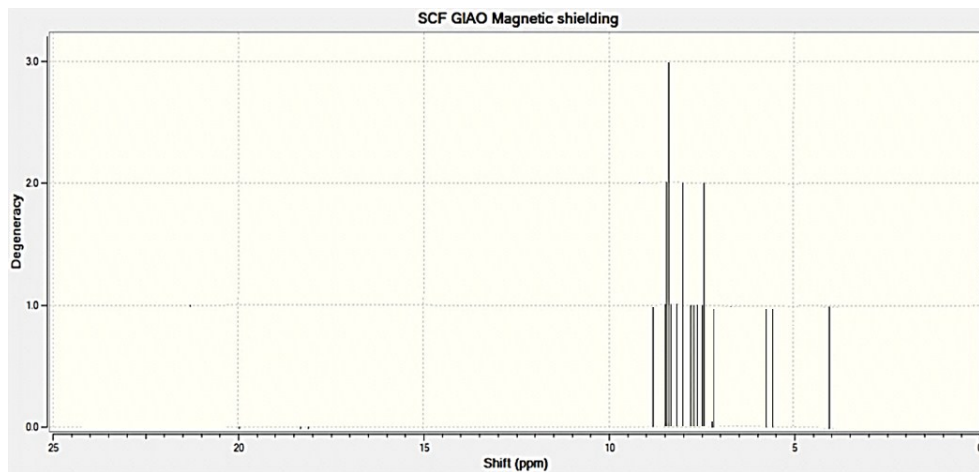
Table S1 Intrinsic Viscosity and average molar mass of PCR, PCR-co-PANI, and PCR-co-POPD

Homopolymer/copolymers	Intrinsic viscosity (η)	Viscosity average molar mass (M_v)
PCR	0.11	5117 ± 3
PCR-co-PANI	0.13	6179 ± 2
PCR-co-POPD	0.15	6814 ± 2

(a)



(b)



(c)

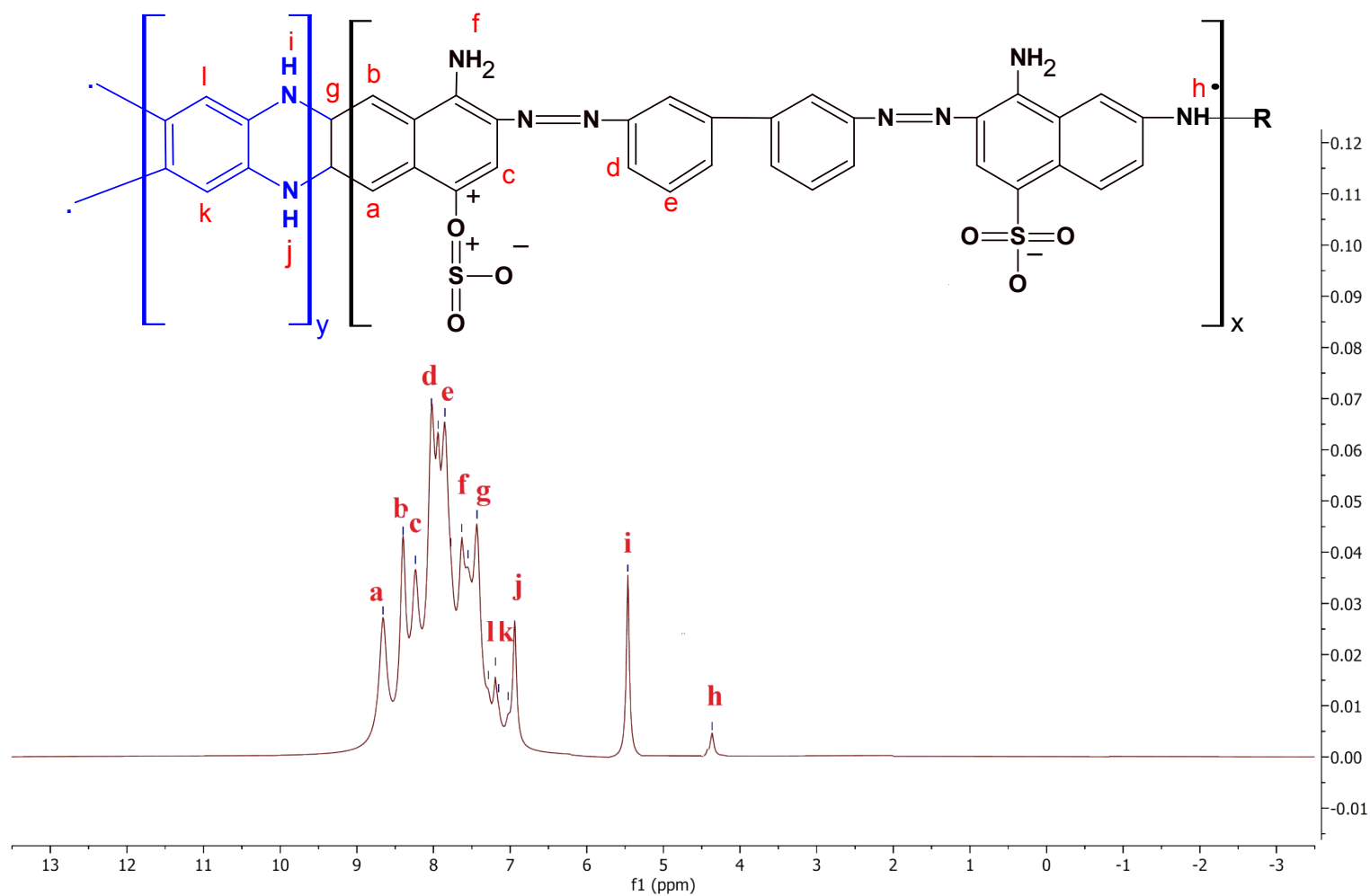
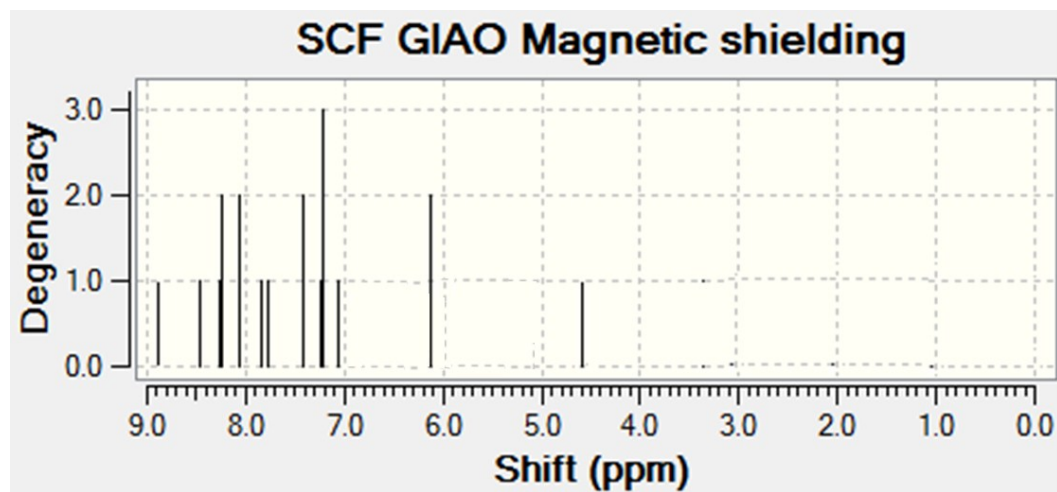
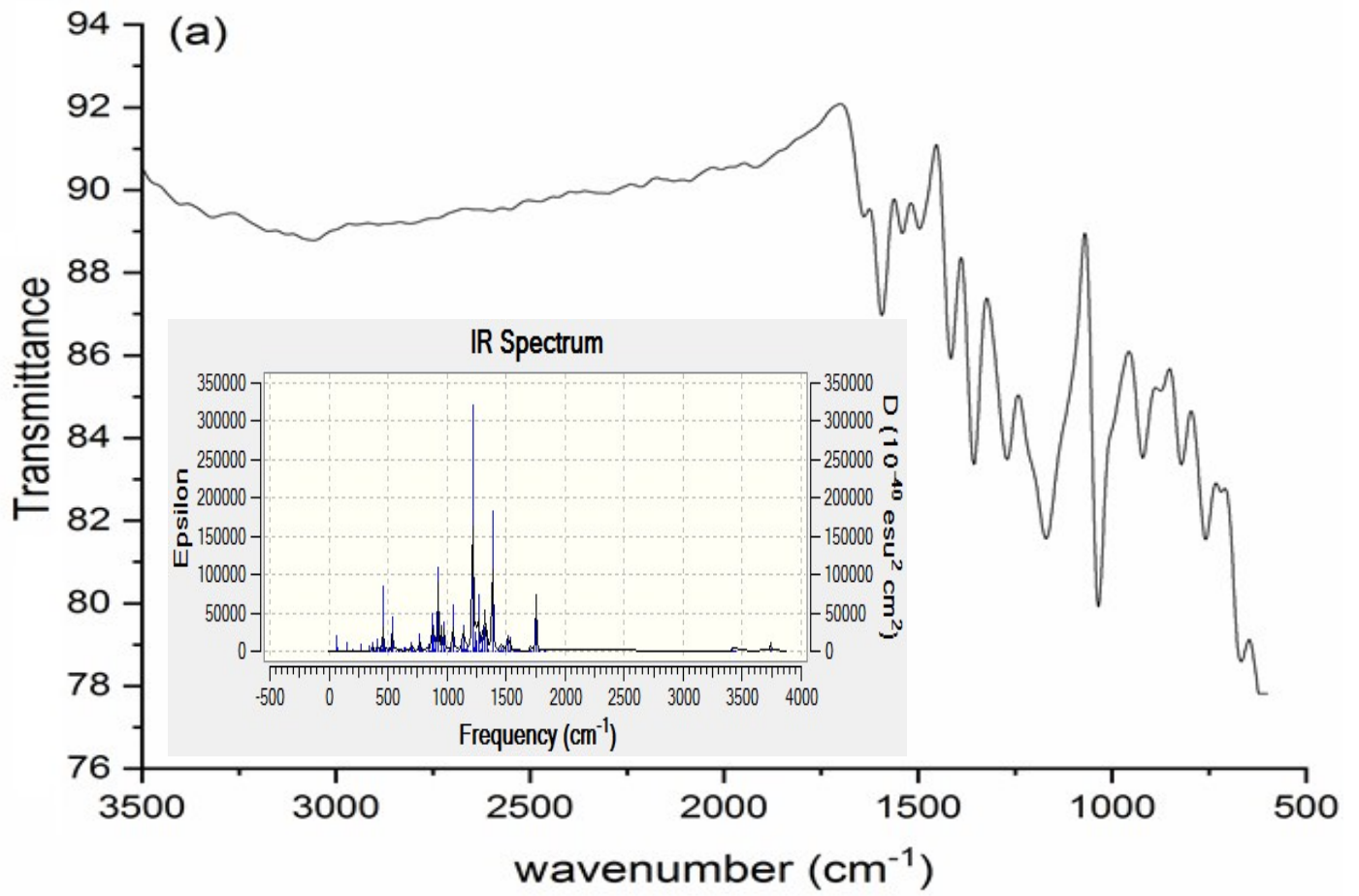
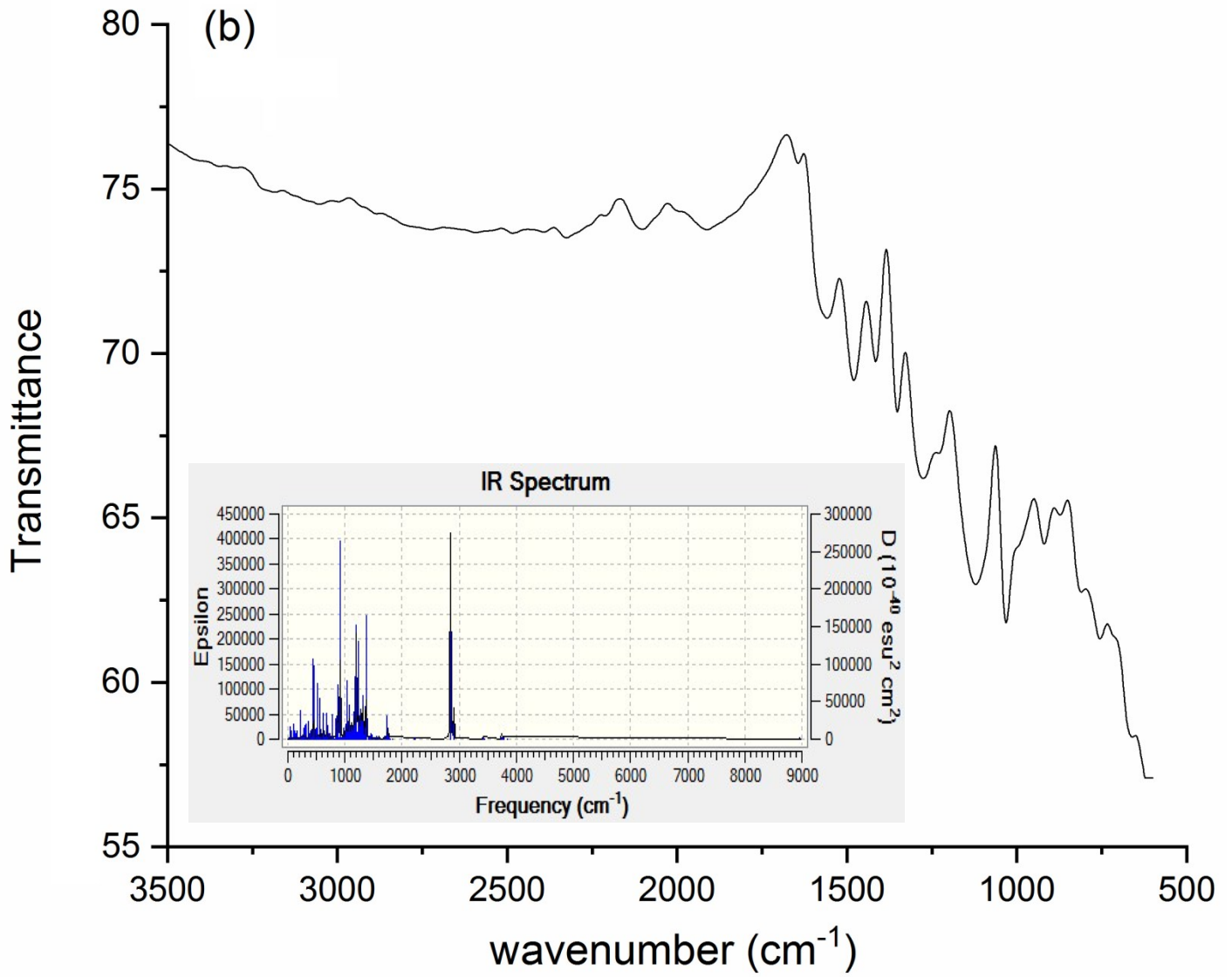


Figure S1 $^1\text{H-NMR}$ spectra of (a) PCR (b) PCR-co-PANI, (c) PCR-co-POPd





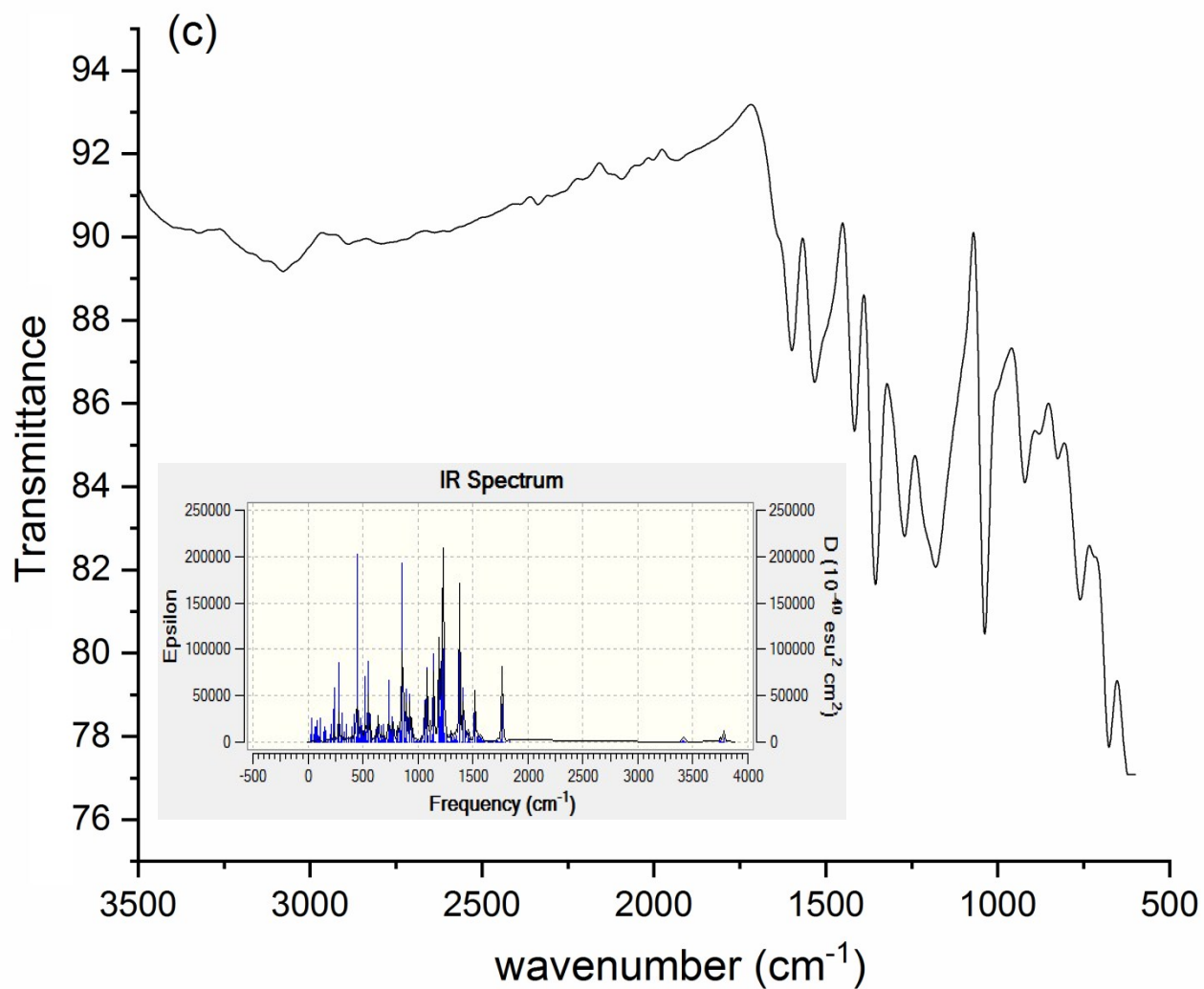


Figure S2 IR spectra of (a) PCR (b) PCR-co-PANI, (c) PCR-co-POPD

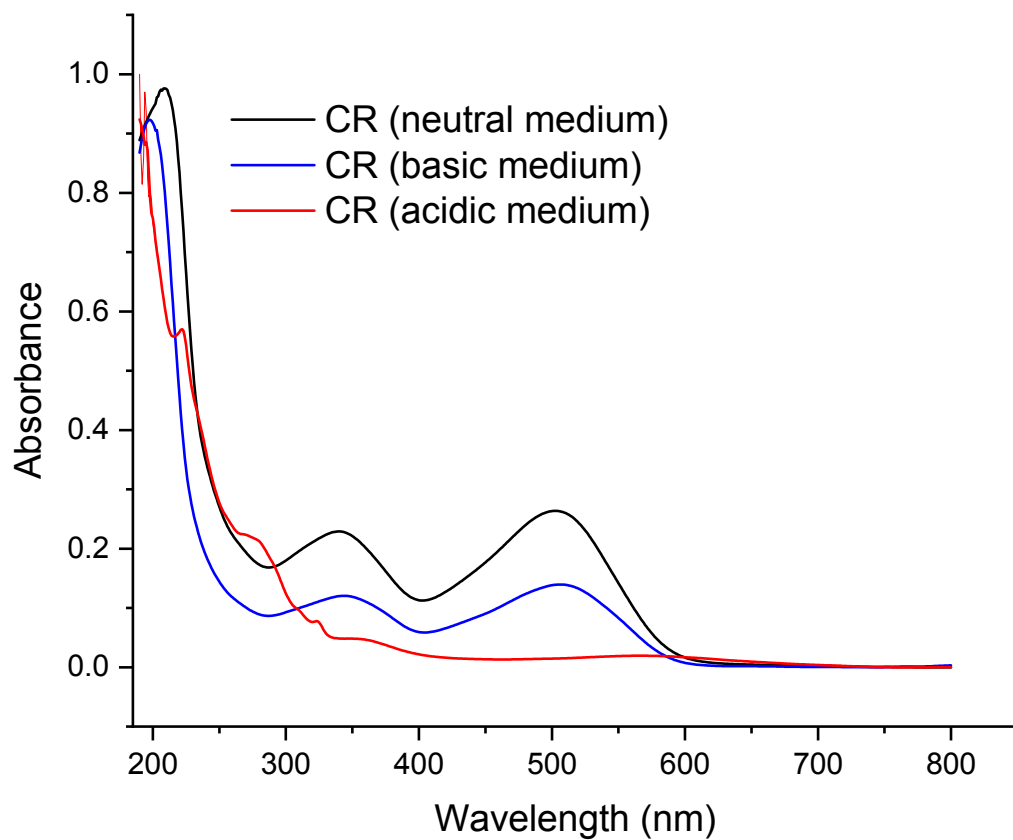


Figure S3 UV –visible spectra of Congo Red in acidic, basic and neutral media

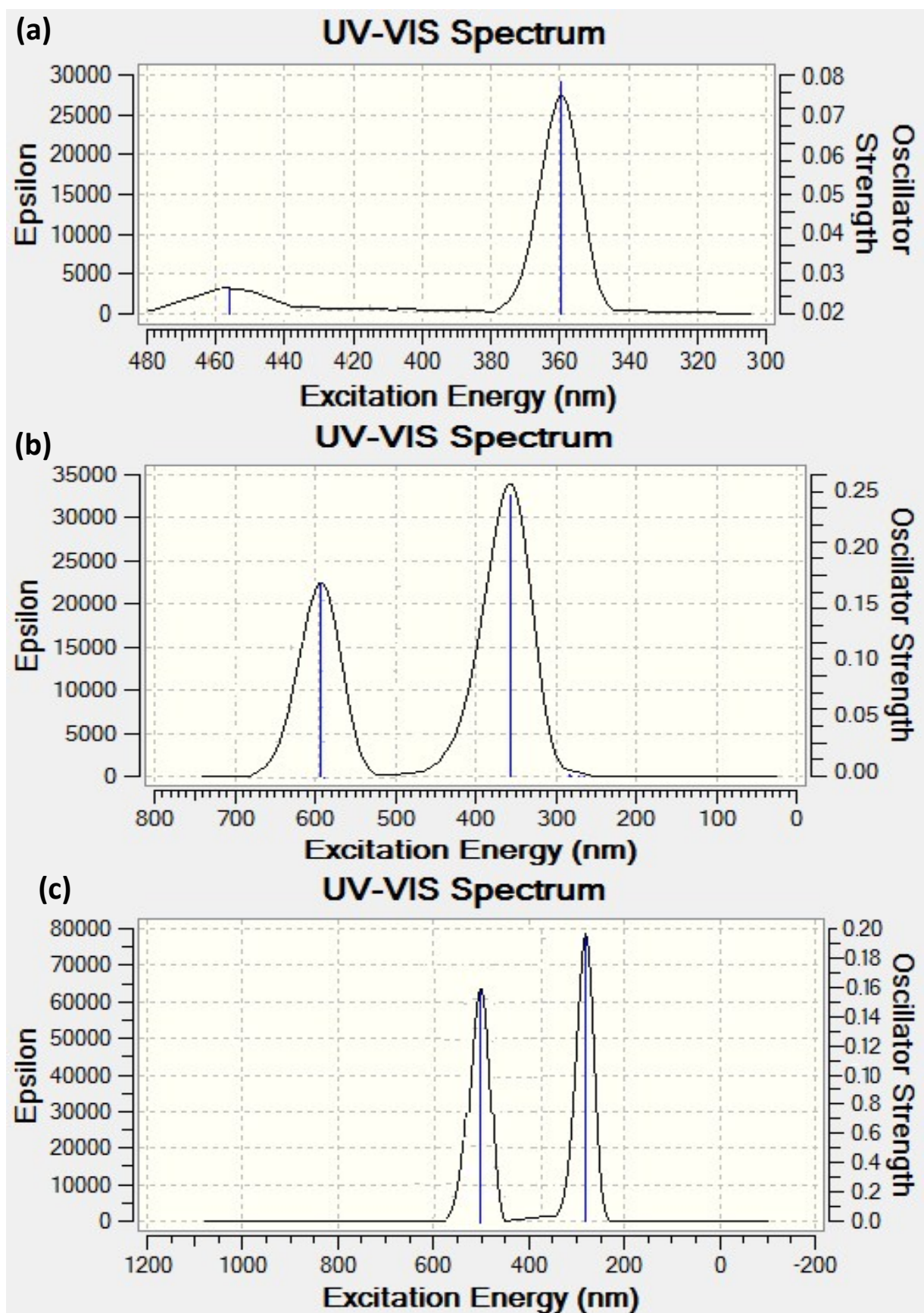


Figure S4 Theoretical UV –visible spectra of (a) PCR,(b) PCR-co-PANI, (c) PCR-co-POPD