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Synthesis, Characterization, and Biophysical Interaction Studies of Water-Dispersible Polypyrrole/Polythiophene Co-oligomers with Bovine Serum Albumin and Human Serum albumin: An Experimental and Theoretical Approach

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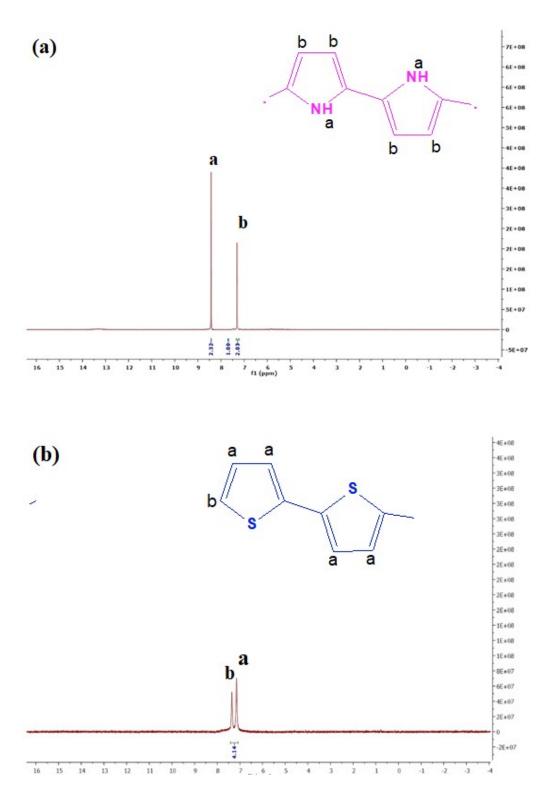
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S.no	Figure caption			
		no		
1.	Table S1 Solubility of homo-oligomers	S2		
	and co-oligomers in different			
	polar/nonpolar solvents			
2.	Figure S1 ¹ H-NMR spectra of (a) WS-	S3		
	PPy, (b) WS-PTh, (c) WS-PPy/PTh-1/1			
3.	Figure S2 ¹³ C-NMR (a) WD-PPy, (b)	S5		
	WD-PTh, (c) WS-PPy/PTh-1/1			
4.	Figure S3 FTIR of (a) WD-PPy, (b) WD-	S7		
	PTh, (c) WD-PPy/PTh-4/1, (d) WD-			
	PPy/PTh-1/1, (e) WD-PPy/PTh-1/4			

Table S1 Solubility of homo-oligomers and co-oligomers in different polar/nonpolar solvents

Polymer/copolymer	Water	NMP	DMSO	THF	Ethanol	Acetone
WS-PPy	D	S	S	D	IS	IS
WS-PTh	D	S	S	D	IS	IS
WS-PPy/PTh-4/1	D	S	S	D	IS	IS
WS-PPy/PTh-1/1	D	S	S	D	IS	IS
WS-PPy/PTh-1/4	D	S	S	D	IS	IS

S-soluble; D- dispersed; IS- insoluble. The solution was prepared by dissolving 0.1 mg in 10 ml of the solvent



S3

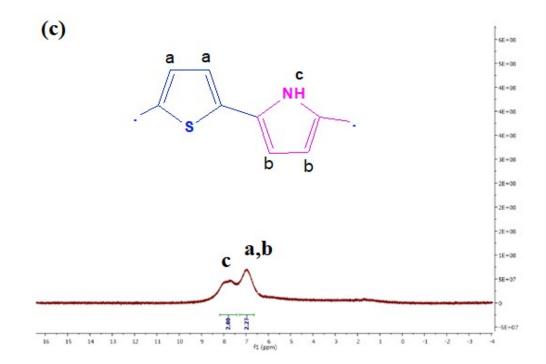
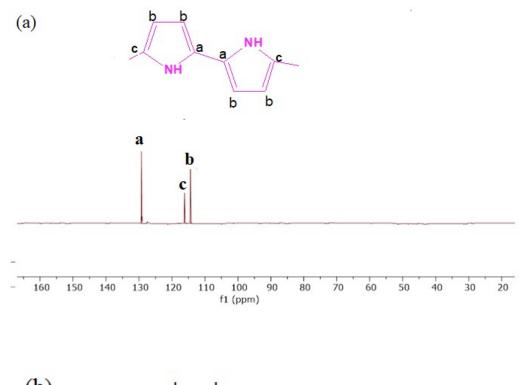
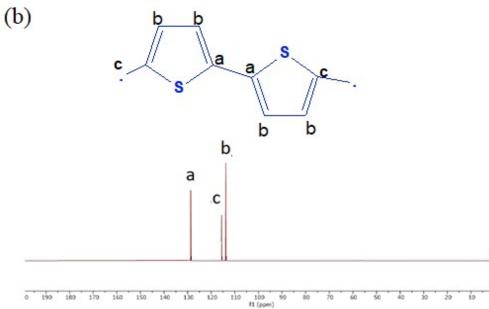


Figure S1 ¹HNMR spectra of (a) WD-PPy, (b) WD-PTh, (c) WD-PPy/PTh-1/1





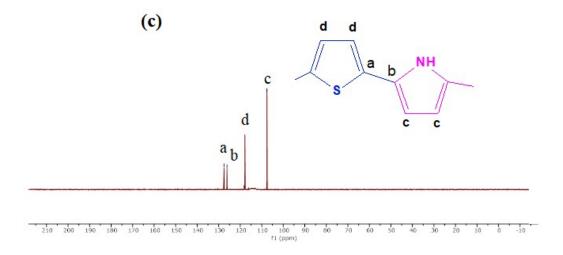
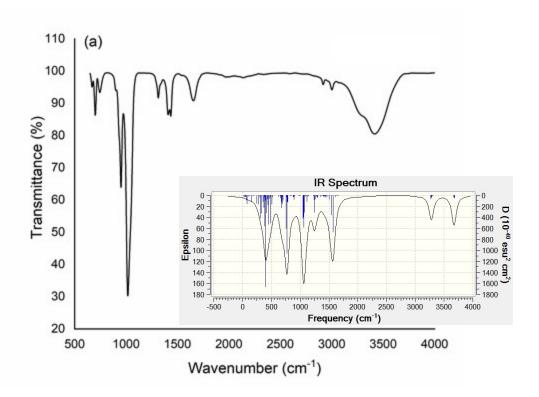
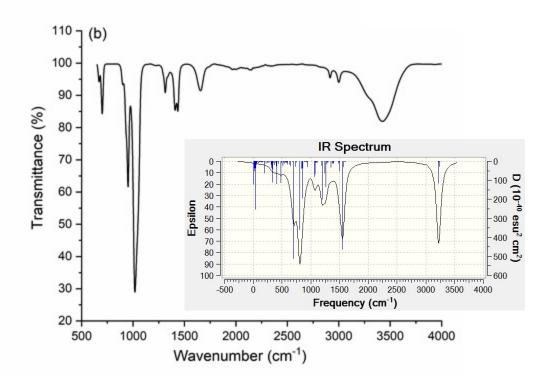
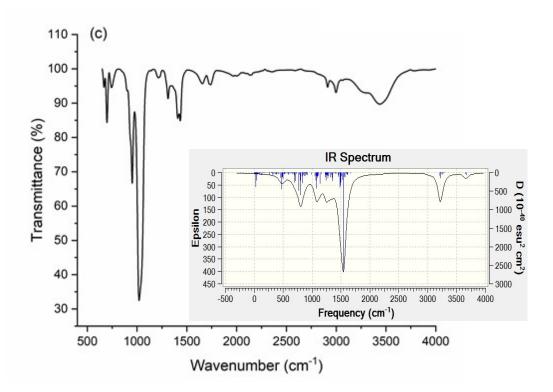
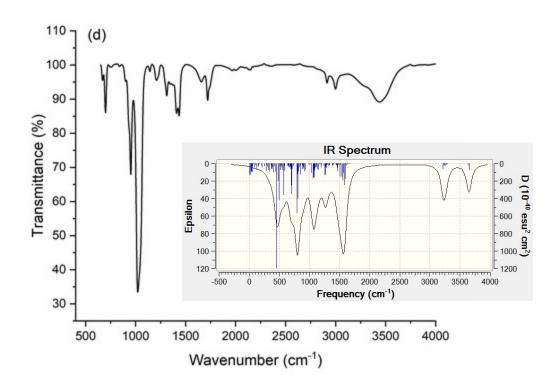


Figure S2 ¹³C-NMR spectra of (a) WD-PPy, (b) WD-PTh, (c) WD-PPy/PTh-1/1









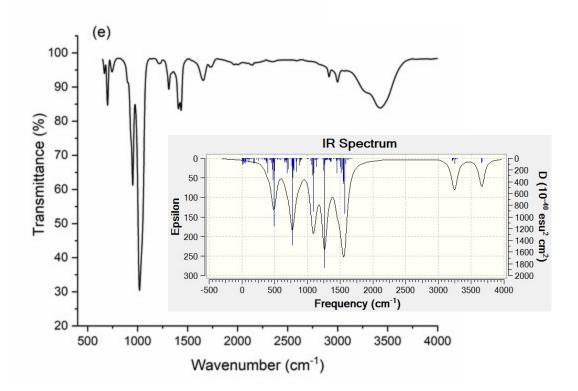


Figure S3 FTIR of (a) WD-PPy, (b) WD-PTh, (c) WD-PPy/PTh-4/1, (d) WD-PPy/PTh-1/1, (e) WD-PPy/PTh-1/4