

Supporting Information for

Strong Emission of 2,4,6-Triphenylpyridine-Functionalized Polytyrosine and Hydrogen-Bonding Interactions with Poly(4-vinylpyridine)

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Table S1: The emission property of Pyridine-NH₂ and Pyridine-PTyr

Sample	Solvent	λ_{\max} (abs)	λ_{\max} (PL)	Φ_f (%)
Pyridine-NH ₂	Methanol	290	494	3.93
	DCM	292	430, 481	35.36
	THF	303	442, 482	35.71
	DMF	310	497	46.50
	Acetone	333	497	2.00
Pyridine-PTyr	Methanol	263	519	2.19
	DMF	277	496	25.23
	DMSO	277	505	23.65

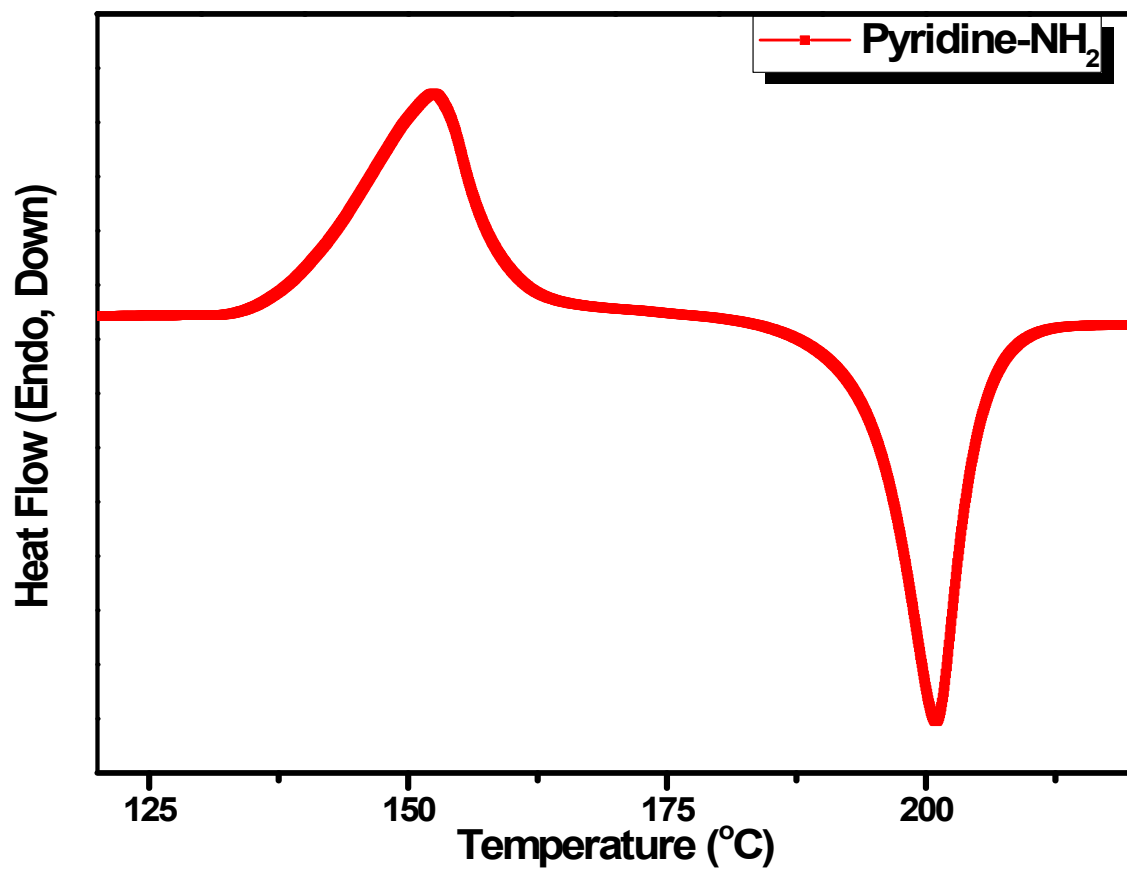


Figure S1: DSC thermogram of Pyridine-NH₂

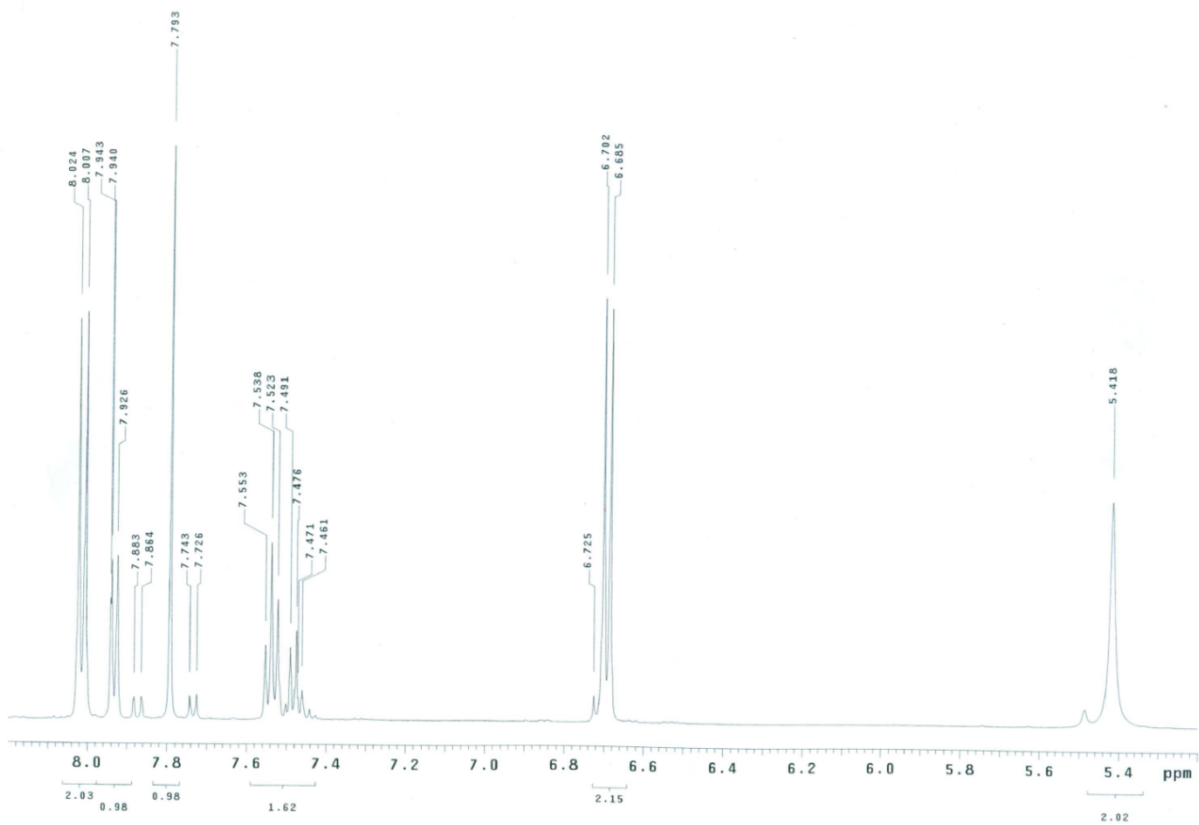


Figure S2: ^1H NMR coupling constant spectra of Pyridine- NH_2 at room temperature

Mass Spectrum SmartFormula Report

Analysis Info

Analysis Name D:\Data\c7\pyridinneh2_000004.d
Method broadband first signal
Sample Name pyridine-NH2
Comment ESI Positive

6/26/2015 2:13:36 PM

Instrument: FT-MS solariX

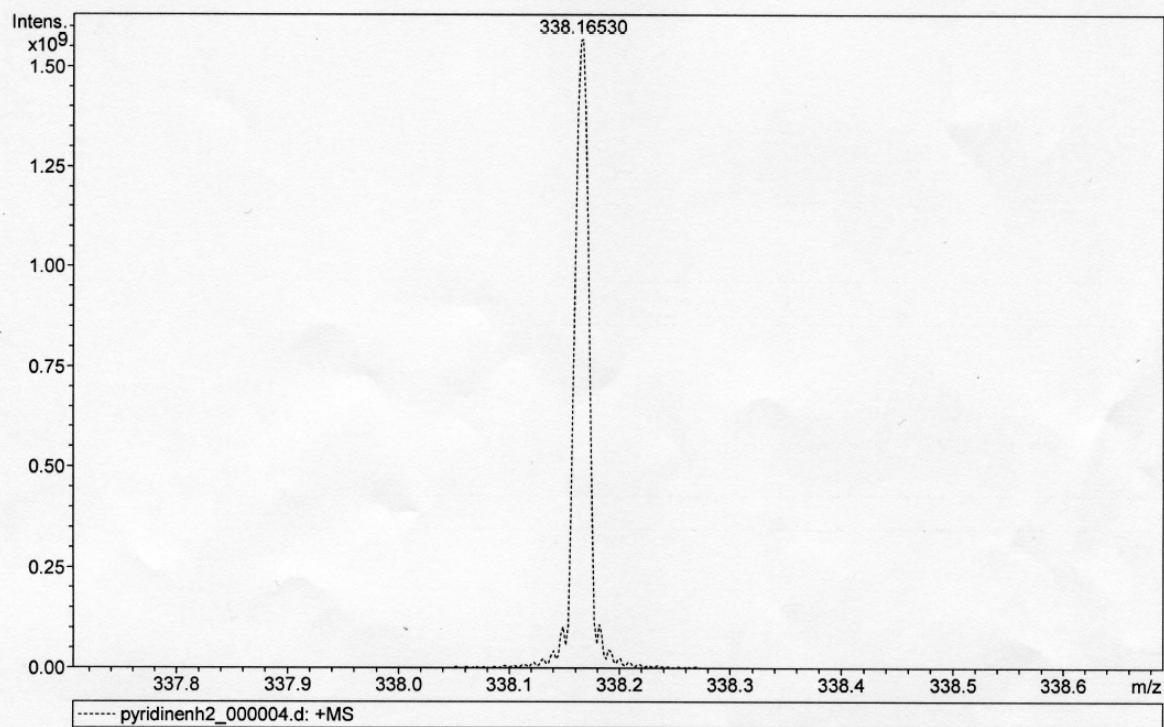


Figure S3: High resolution FT-MS of Pyridine-NH₂

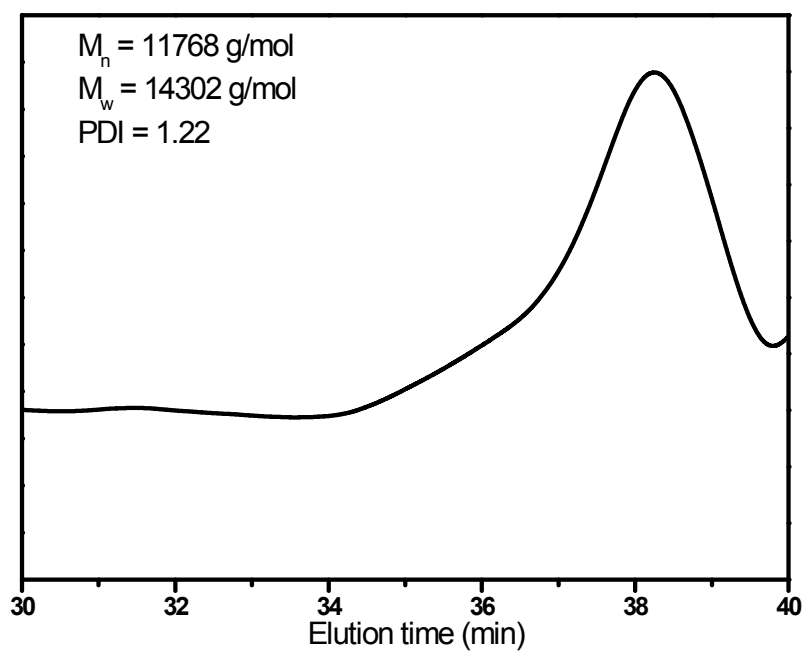


Figure S4: GPC profile of Pyridine-PTyr in DMF solution

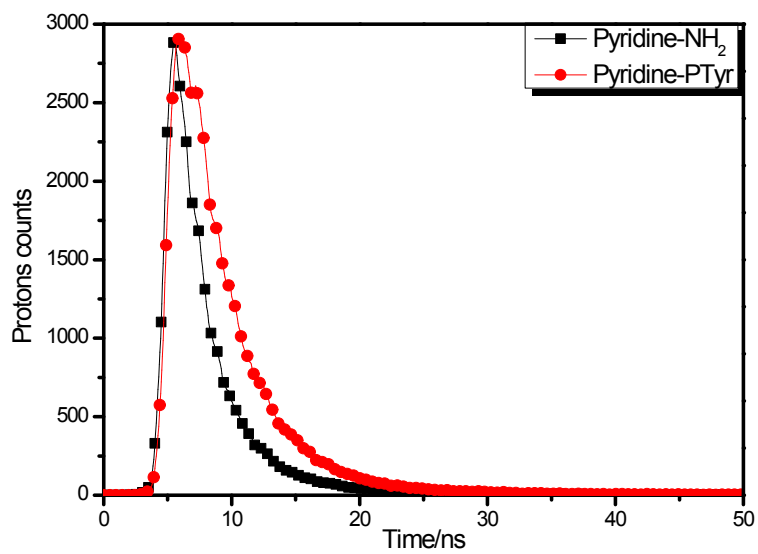


Figure S5: Fluorescence lifetime of Pyridine-NH₂ and Pyridine-PTyr in solid state with excitation wavelength 350 nm

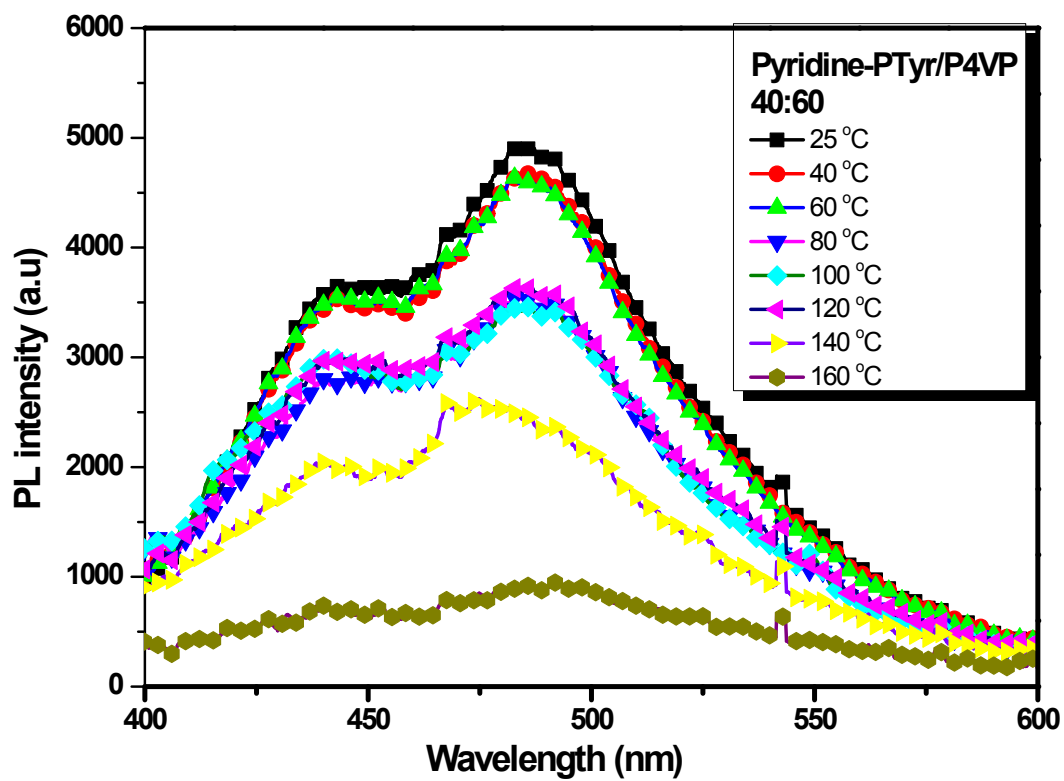


Figure S6: PL emission spectra of thin film of Pyridine-PTyr/P4VP (40/60) blend at different temperatures (excited 350 nm).