

Supporting Information

New Approach for Synthesis of Sulfur-bridged Polysiloxanes *via* Thiol-ene “Click” Reaction and their Post-functionalization to obtain Luminescent Materials

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Table S1. GPC data of the obtained polymers.

Sample	Mn	Mw	PDI
name	(g/mol)	(g/mol)	
P1-1.2: 1	2200	3100	1.39
P1-1.1: 1	6800	10200	1.48
P1-1.05:1	7100	9200	1.29
P1-1: 1	9100	15200	1.60
P1-1:1.05	6400	8700	1.35
P1-1: 1.1	5200	8300	1.59
P1-1: 1.2	2600	3200	1.24
P1-MS	2630	4700	1.81
P1-MPE	1630	2900	1.78
P1-TSP	1500	2800	1.90
P1-NL	1570	2900	1.82

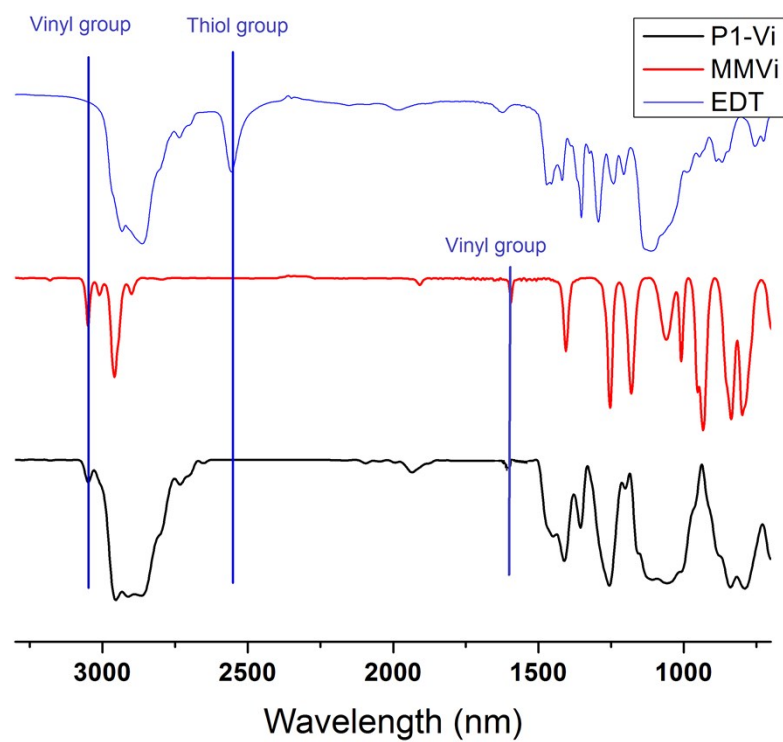


Figure S1. FT-IR spectra of **P1-Vi**, **MM^{Vi}**, and **EDT**.

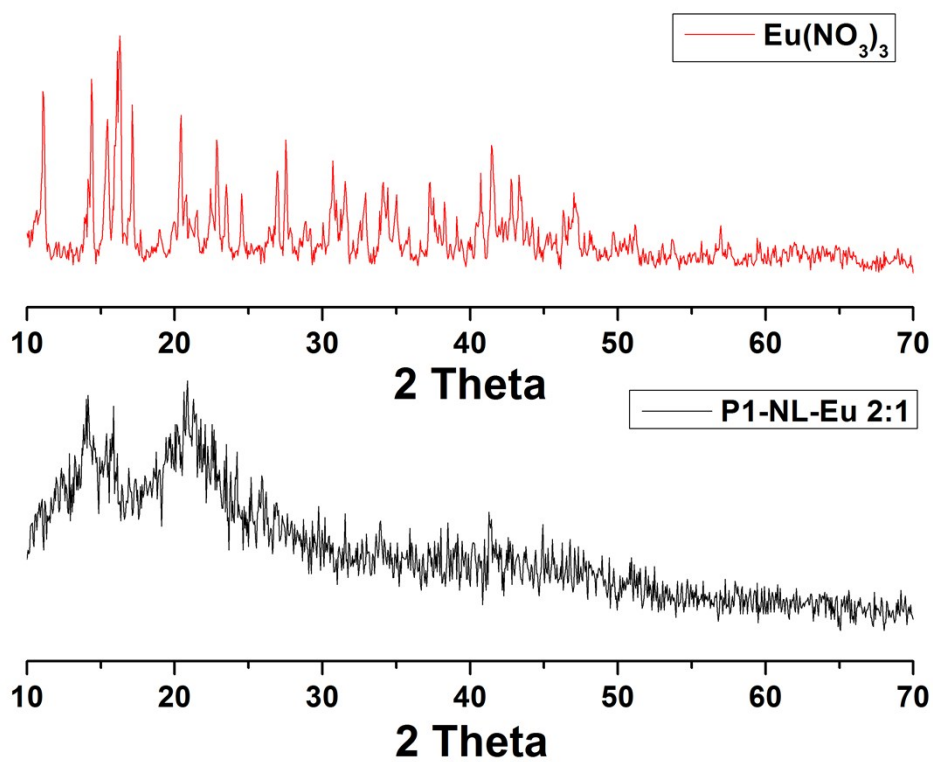


Figure S2. XRD spectra of $\text{Eu}(\text{NO}_3)_3$, and **P1-NL-Eu2:1**.