

Supporting Information

Thermo-responsive fluorescent polymers with
diverse LCSTs for ratiometric temperature
sensing through FRET

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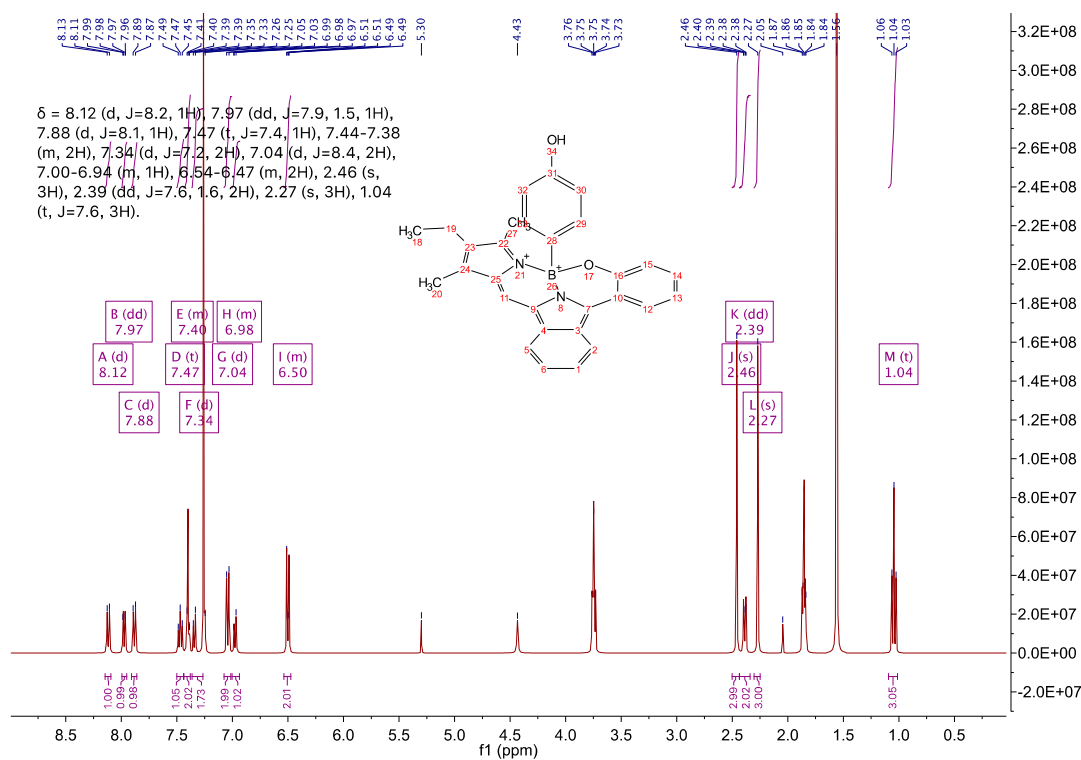


Figure S1. ^1H NMR of BOBPYOH

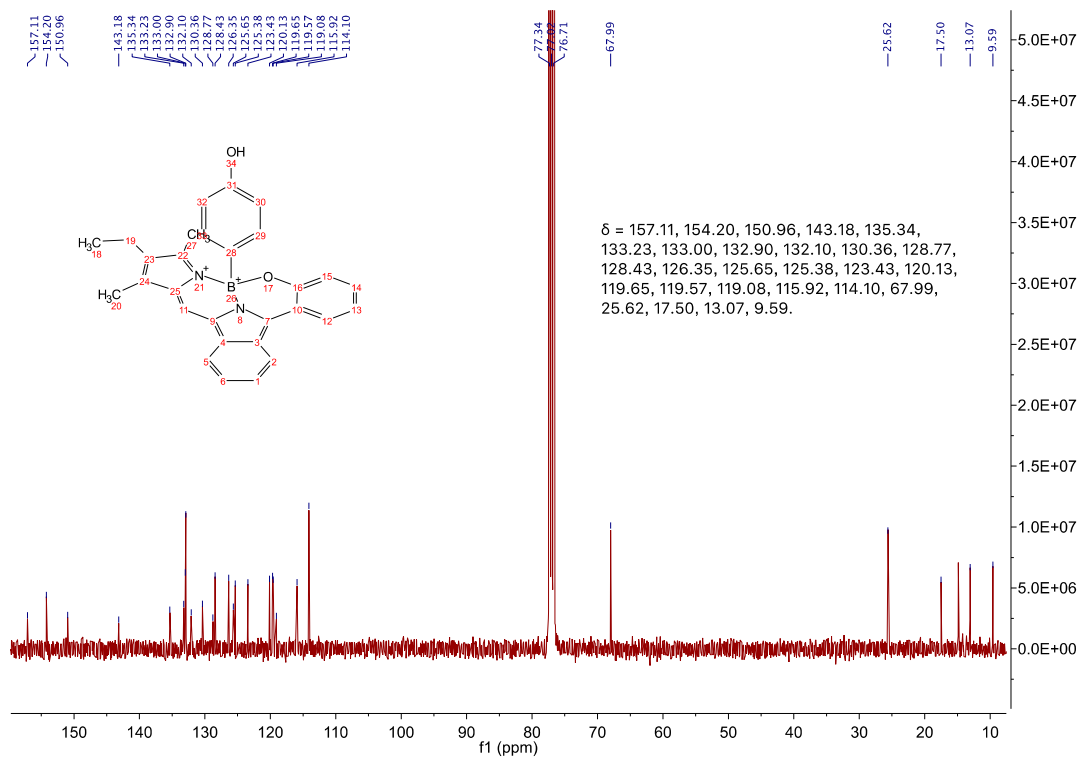


Figure S2. ^{13}C NMR of BOBPYOH

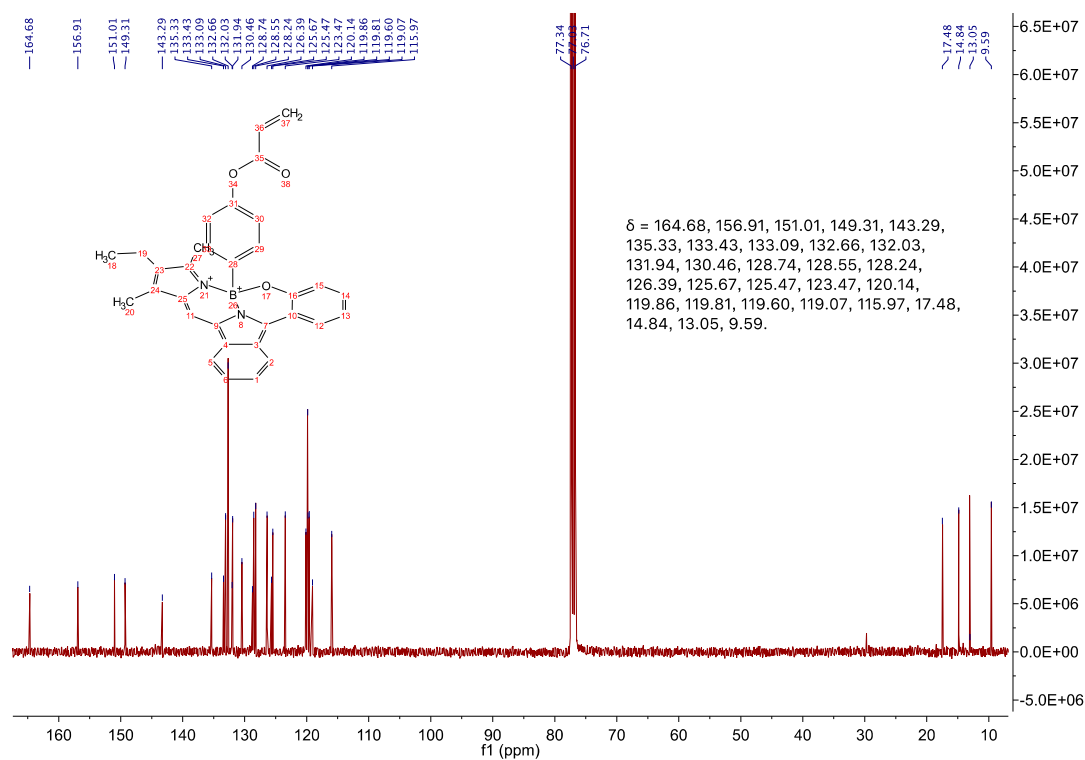


Figure S3. ^{13}C NMR of BOBPYOX

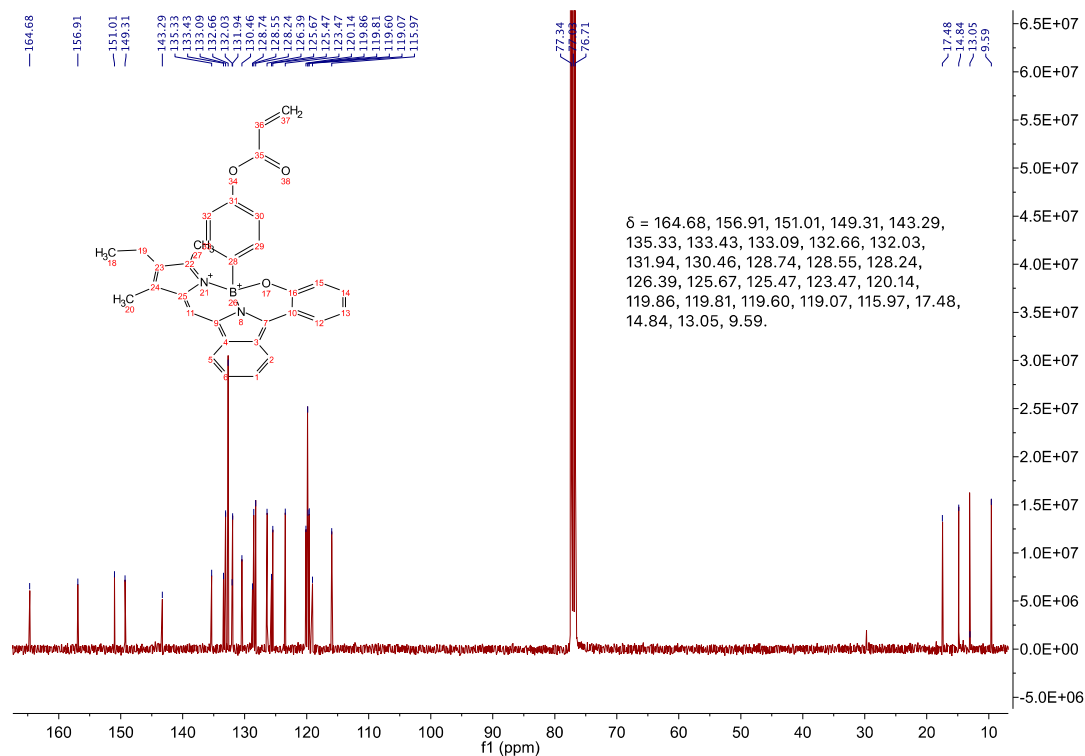
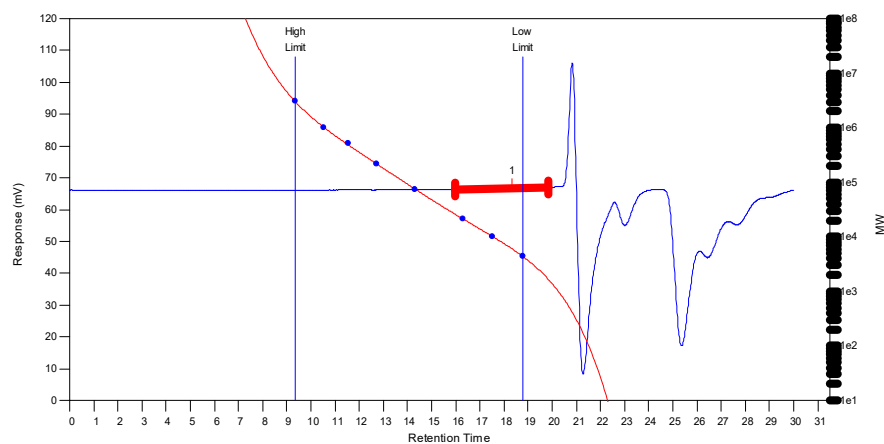


Figure S4. ^{13}C NMR of BOBPYOX

Workbook Details

Eluent: DMF
Injection Volume: 100.0 μ l
Detector: RI

Flow Rate: 1.00 ml/min
Column Set Length: 650 mm
Temperature: 50

**MW Averages**

Peak No	Mp	Mn	Mw	Mz	Mz+1	Mv	PD
1	8015	5975	7954	10107	12175	7646	1.33121

Processed Peaks

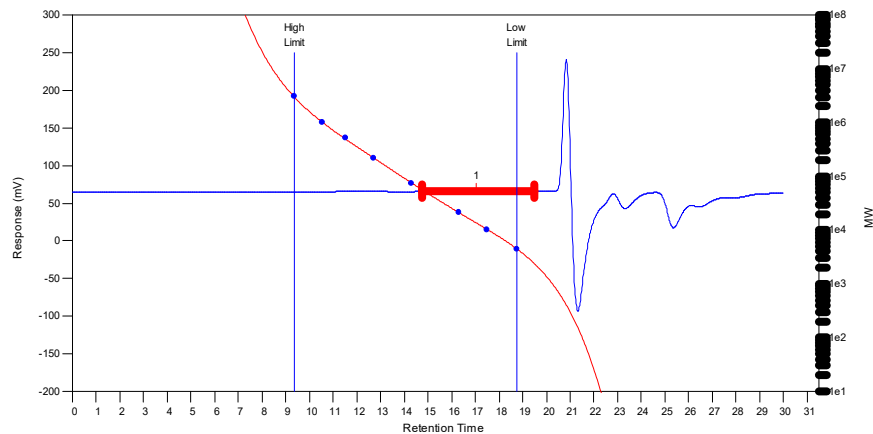
Peak No	Name	Start RT (mins)	Max RT (mins)	End RT (mins)	Pk Height (mV)	% Height	Area (mV.secs)	% Area
1		15.97	18.35	19.85	0.802255	0	107.656	100

Figure S5. GPC result of P_{NB}

Workbook Details

Eluent: DMF
Injection Volume: 100.0 μ l
Detector: RI

Flow Rate: 1.00 ml/min
Column Set Length: 650 mm
Temperature: 50

**MW Averages**

Peak No	Mp	Mn	Mw	Mz	Mz+1	Mv	PD
1	14626	11144	16140	21913	27399	15334	1.44831

Processed Peaks

Peak No	Name	Start RT (mins)	Max RT (mins)	End RT (mins)	Pk Height (mV)	% Height	Area (mV.secs)	% Area
1		14.73	17.02	19.50	1.54918	0	255.827	100

Figure S6. GPC result of P_{NBmR}