

## Supporting Information

# Dual stimuli-responsive viologen-containing poly(2-isopropyl-2-oxazoline) and its multi-modal electrochromic phase transition

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**Table S1.** Measured molecular weights and dispersity index values determined by analytical SEC and MALDI-TOF-MS.

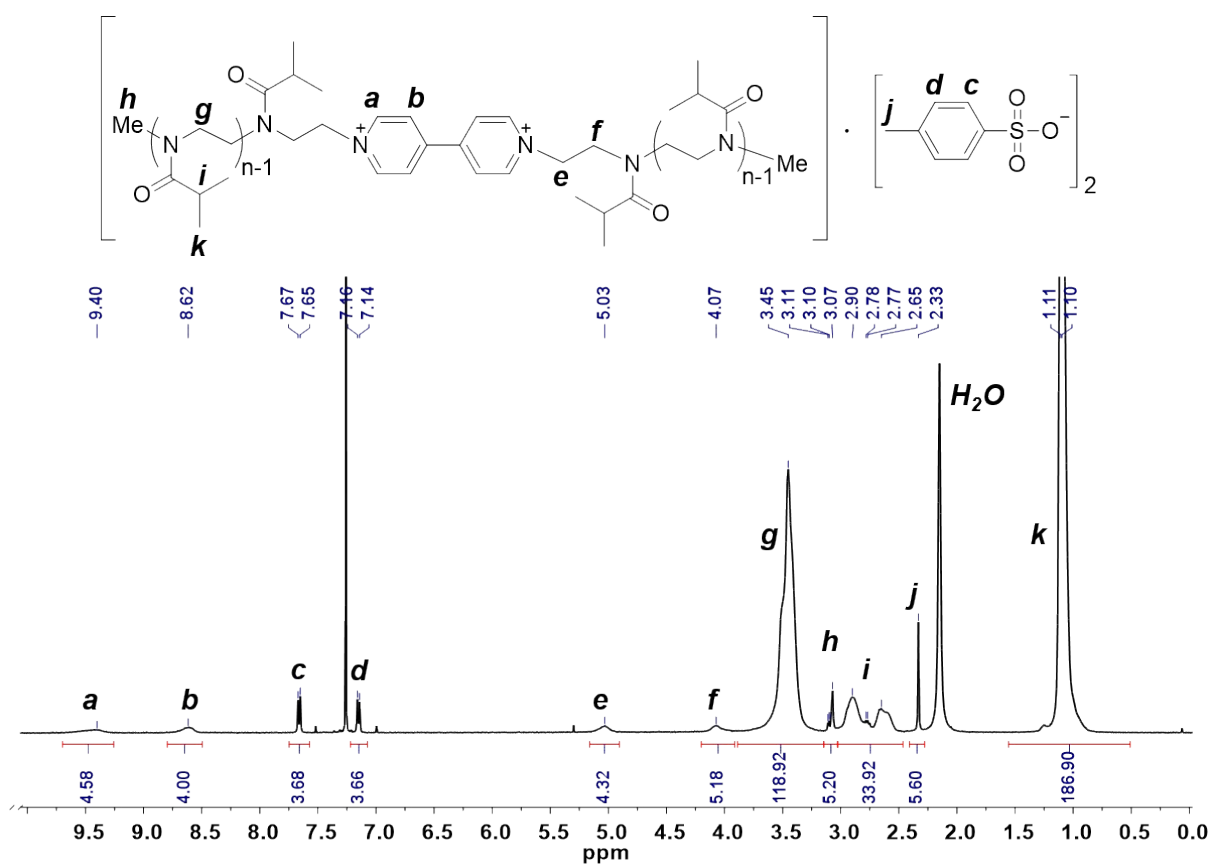
	$M_{n, \text{theo}}^a$	$M_{n, \text{SEC}}^b$	$M_{n, \text{MALDI}}^c$	PDI ( $M_w/M_n$ ) <sup>d</sup>
<b>Me-PiPOx<sup>+</sup></b>	2278	1970	-	1.29
<b>PiPOx-V</b>	4713	4734	4490	1.11

<sup>a</sup> Determined from initiator/monomer/terminator (2/40/1) ratio.

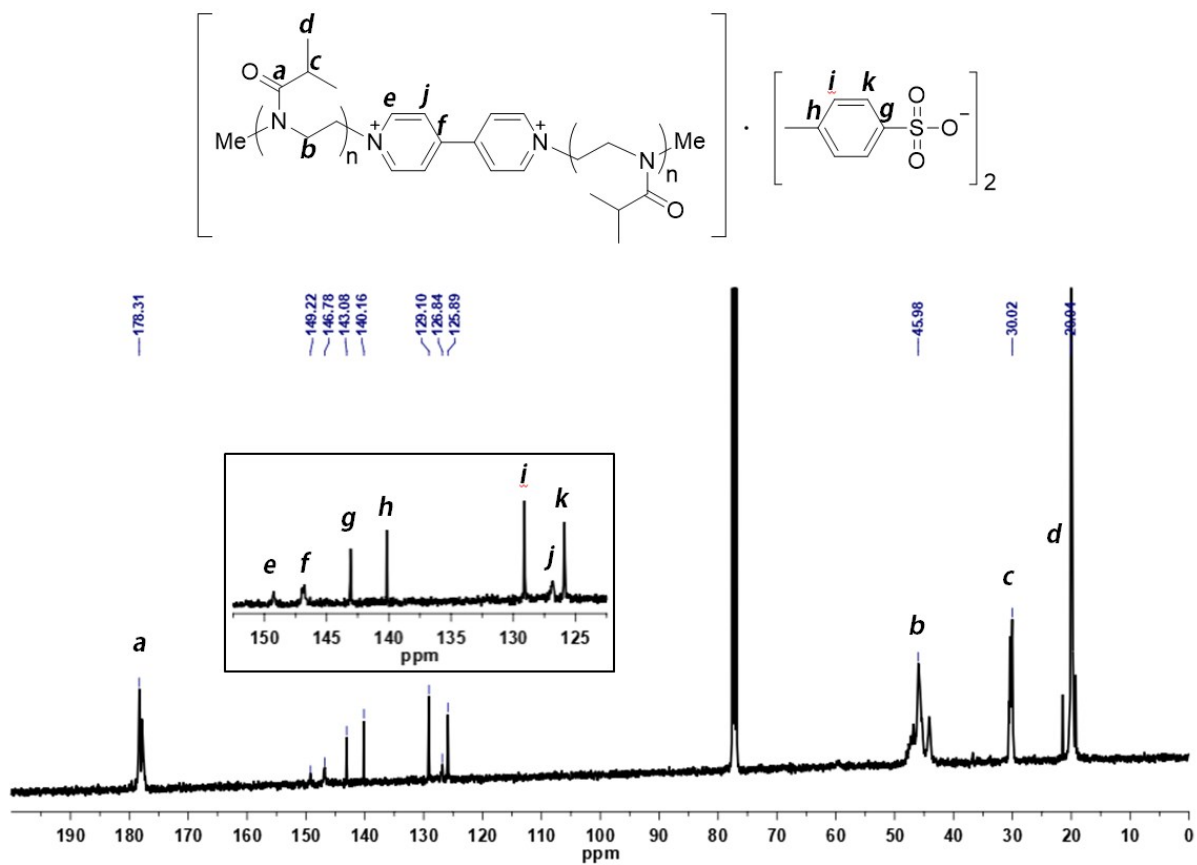
<sup>b</sup> Number-average molecular weight determined by SEC analysis using polystyrene standard.

<sup>c</sup> Determined by MALDI-TOF-MS analysis.

<sup>d</sup> Dispersion indices determined by SEC analysis.



**Figure S1.** <sup>1</sup>H NMR spectrum of **PiPOx-V** in CDCl<sub>3</sub>.



**Figure S2.**  $^{13}\text{C}$  NMR spectrum of **PiPOx-V** in  $\text{CDCl}_3$ .