



## Thermotropic Liquid-Crystalline Properties of Viologens Containing 4-n-alkylbenzenesulfonates \*

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+ This article is dedicated to the memory of Dr. Ananda M. Sarker (1952–2018): deceased on 30 August, 2018.





Figure S1. <sup>1</sup>H and <sup>13</sup>C NMR spectra of V6 in CD<sub>3</sub>OD recorded at room temperature. .





Figure S2. <sup>1</sup>H and <sup>13</sup>C NMR spectra of V7 in CD<sub>3</sub>OD recorded at room temperature. .





Figure S3. <sup>1</sup>H and <sup>13</sup>C NMR spectra of V8 in CD<sub>3</sub>OD recorded at room temperature. .





Figure S4. <sup>1</sup>H and <sup>13</sup>C NMR spectra of V9 in CD<sub>3</sub>OD recorded at room temperature.





Figure S5. <sup>1</sup>H and <sup>13</sup>C NMR spectra of V10 in CD<sub>3</sub>OD recorded at room temperature. .





Figure S6. <sup>1</sup>H and <sup>13</sup>C NMR spectra of V12 in CD<sub>3</sub>OD recorded at room temperature. .





Figure S7. <sup>1</sup>H and <sup>13</sup>C NMR spectra of V14 in CD<sub>3</sub>OD recorded at room temperature. .



Figure S8. <sup>1</sup>H NMR spectrum of V16 in CD<sub>3</sub>OD recorded at room temperature. .



Figure S9. <sup>1</sup>H NMR spectrum of V18 in CD<sub>3</sub>OD recorded at room temperature. .



Figure S10. DSC thermograms of V7 obtained at heating and cooling rates of 10 °C/min in nitrogen.







Figure S11. DSC thermograms of V10 obtained at heating and cooling rates of 10 °C/min in nitrogen.



Figure S12. DSC thermograms of V12 obtained at heating and cooling rates of 10 °C/min in nitrogen.







Figure S13. DSC thermograms of V14 obtained at heating and cooling rates of 10 °C/min in nitrogen.



Figure S14. DSC thermograms of V16 obtained at heating and cooling rates of 10 °C/min in nitrogen.







Figure S15. POM texture of V18 taken at 200 °C exhibiting SmA phase.



Figure S16. TGA thermograms of V6–V9 obtained a heating rate of 10 °C/min in nitrogen.