

## Supporting Information

# A Nontoxic Reversible Thermochromic Binary System via $\pi$ - $\pi$ Stacking of Sulfonephthaleins

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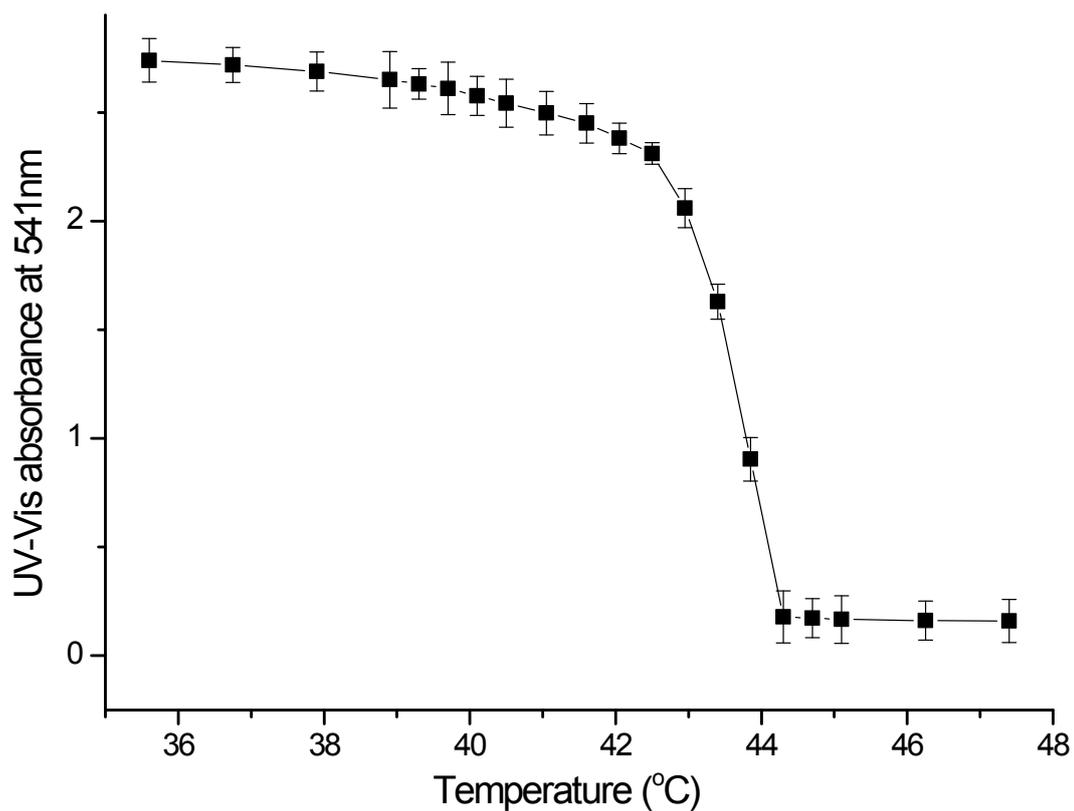
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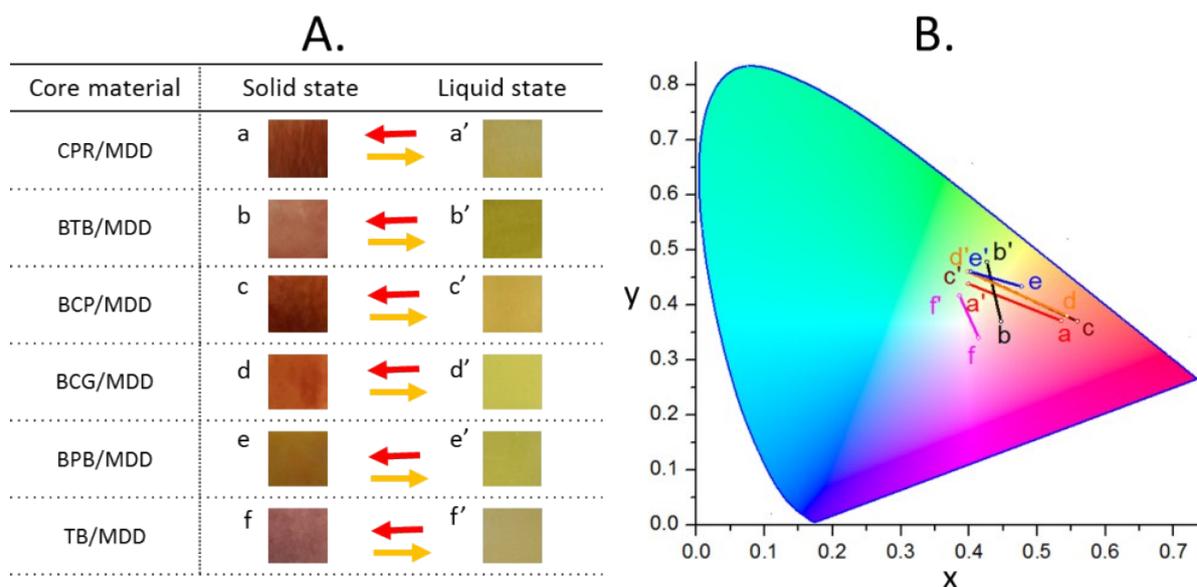
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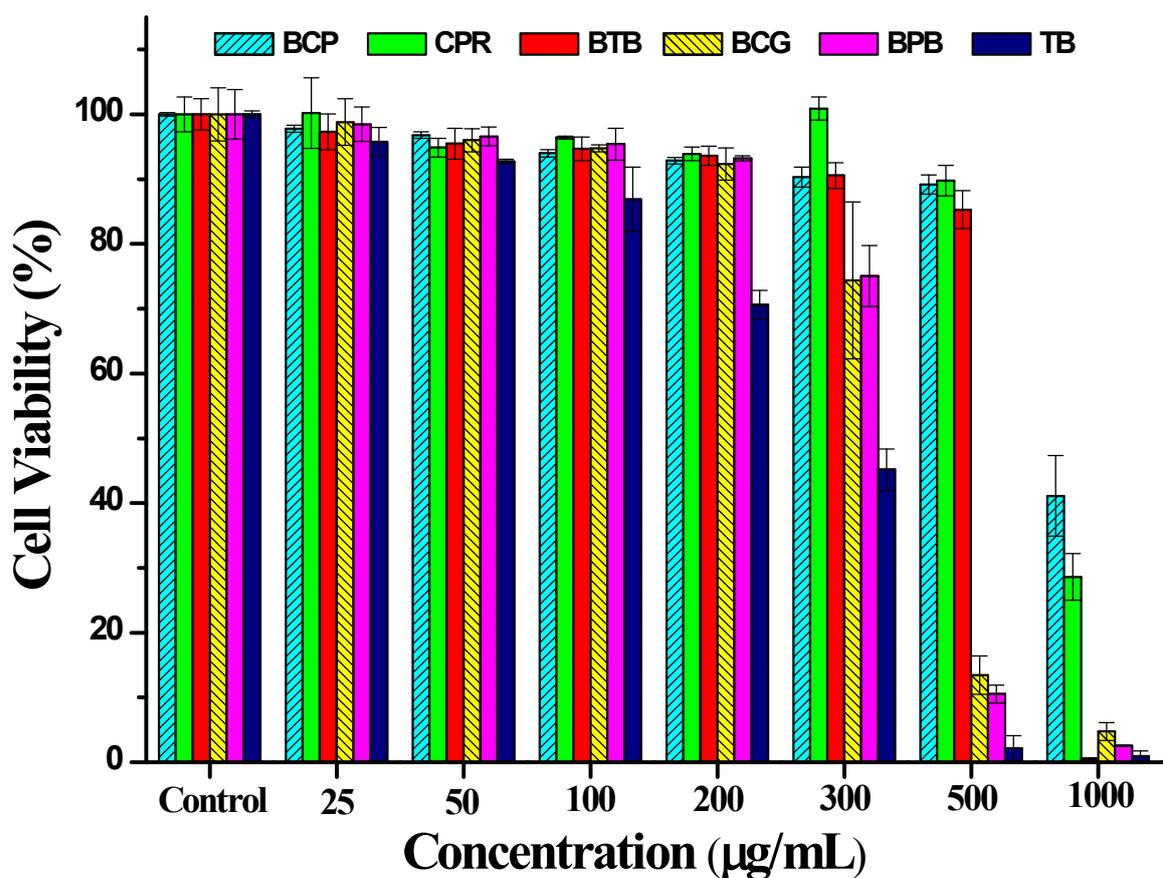
Concentration of CPR (mol%)	0.07	0.03	0.02	0.01	0.007
$T_f$ (°C)	41.78 $\pm 0.01$	41.77 $\pm 0.34$	41.73 $\pm 0.30$	41.68 $\pm 0.10$	41.60 $\pm 0.24$



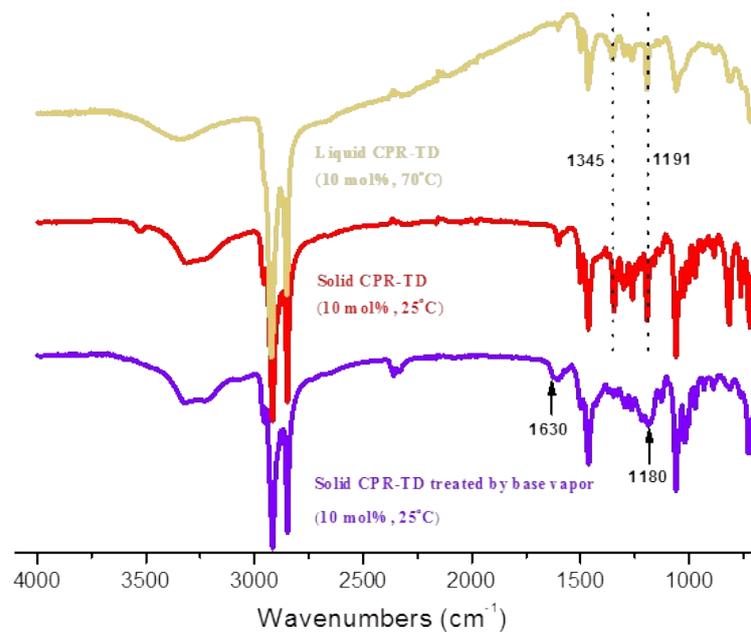
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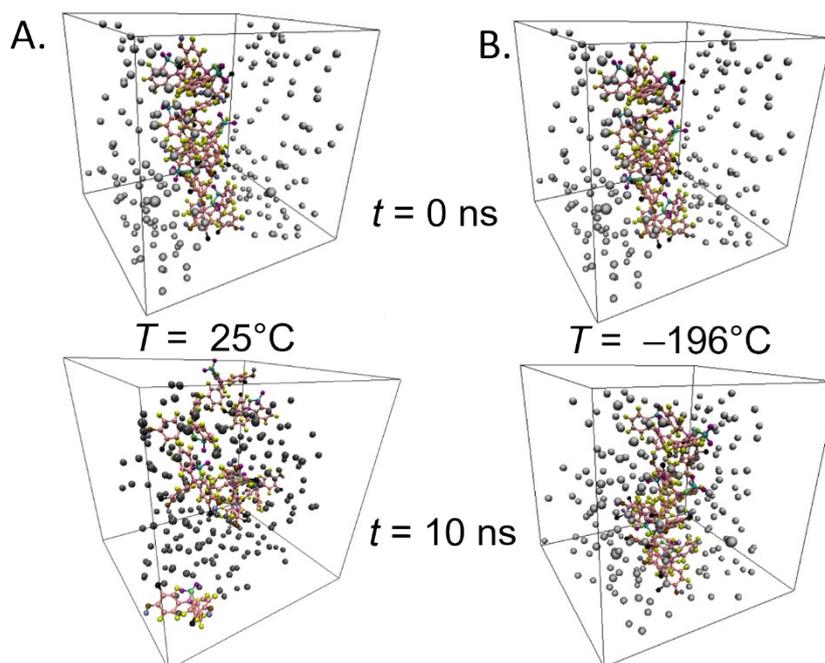
**Figure S2.** (A) Photographic images of the colour change between solid (0°C) and liquid (25°C) state of six sulfonephthalein dyes (0.07 mol%) in MDD (B) Standard CIE 1931 chromaticity chart showing the x-y values in colour transition between solid (0°C) and liquid (25°C) state of sample a-f.



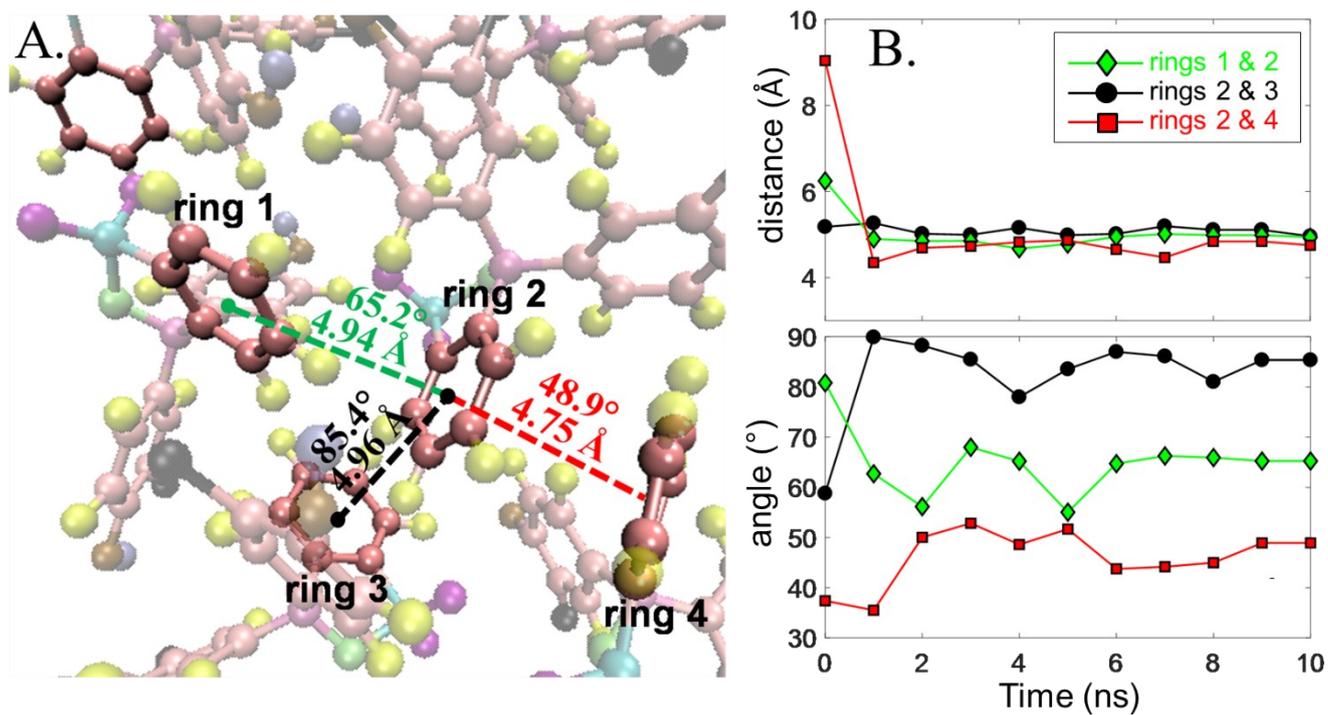
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