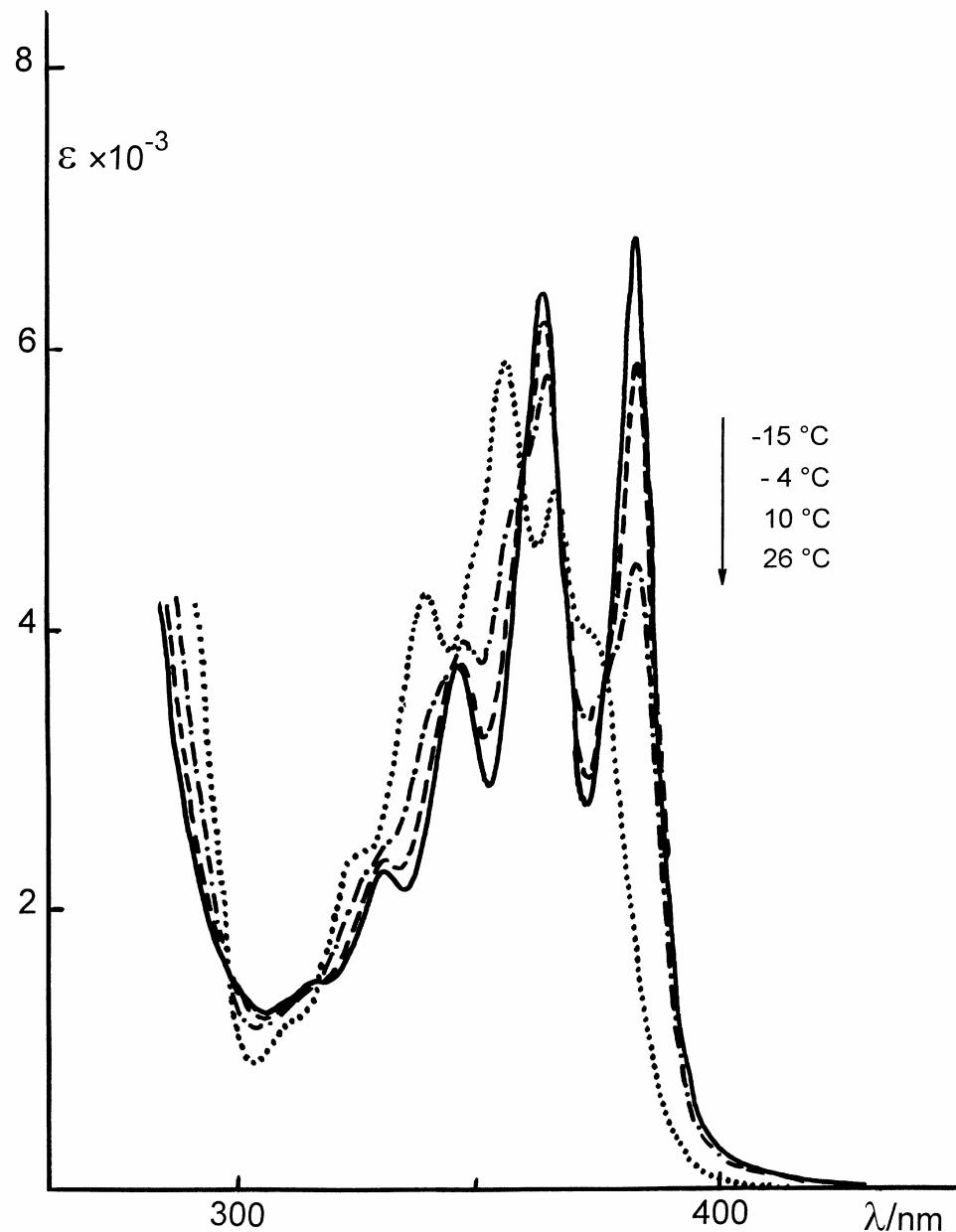
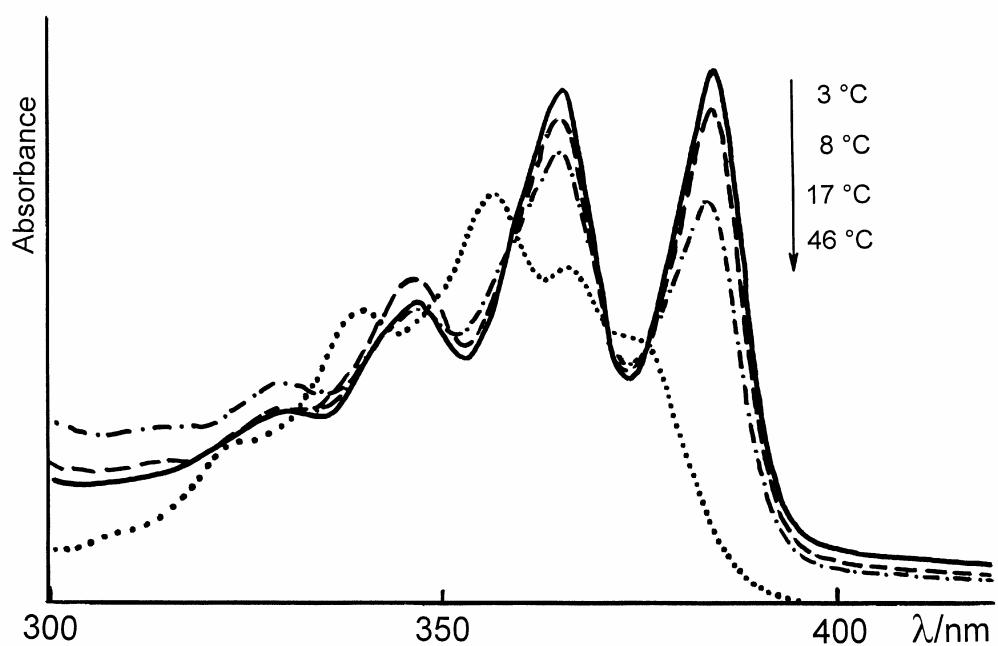


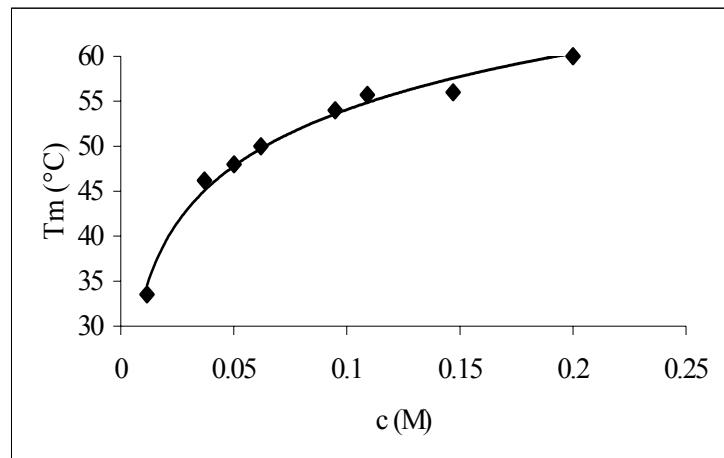
**Supplementary Material (Figs. S1, S2, S3abcd, S4abc)**



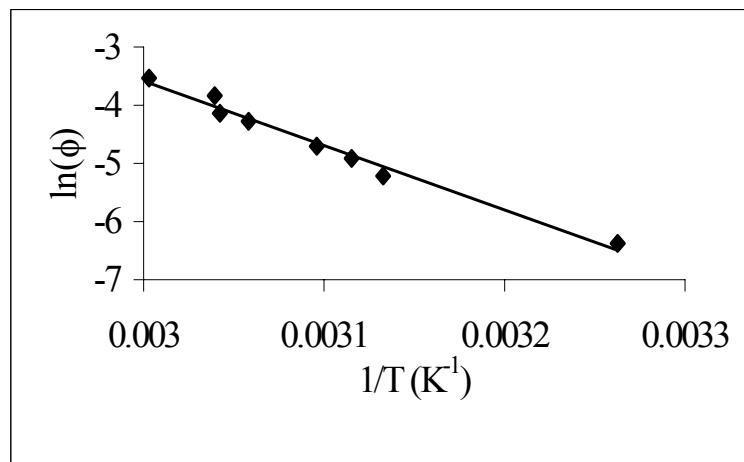
**Figure S1** : UV absorption spectra of DDOA in 1-propanol ( $\approx 2 \times 10^{-3}\text{M}$ ) as a function of temperature : -15 °C gel phase, +26 °C solution.



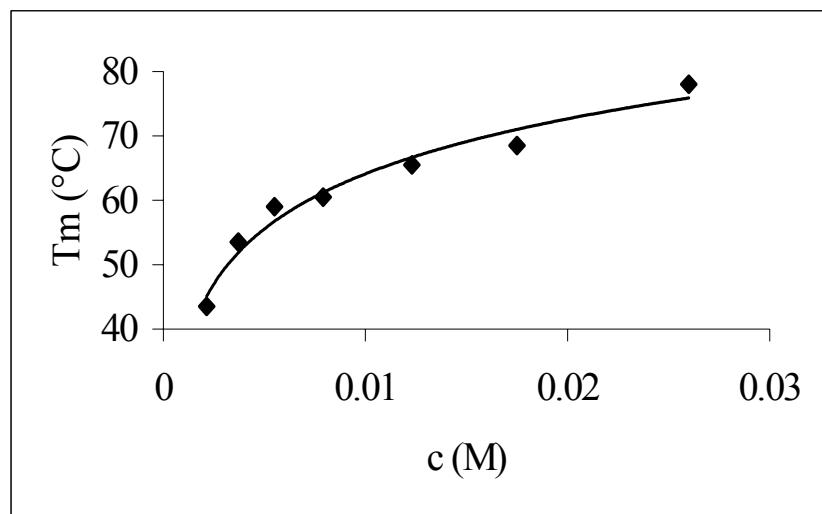
**Figure S2** : UV absorption spectra of DDOA in acetonitrile ( $7.5 \times 10^{-4}\text{M}$ ) as a function of temperature: + 3°C gel phase, + 46°C solution.



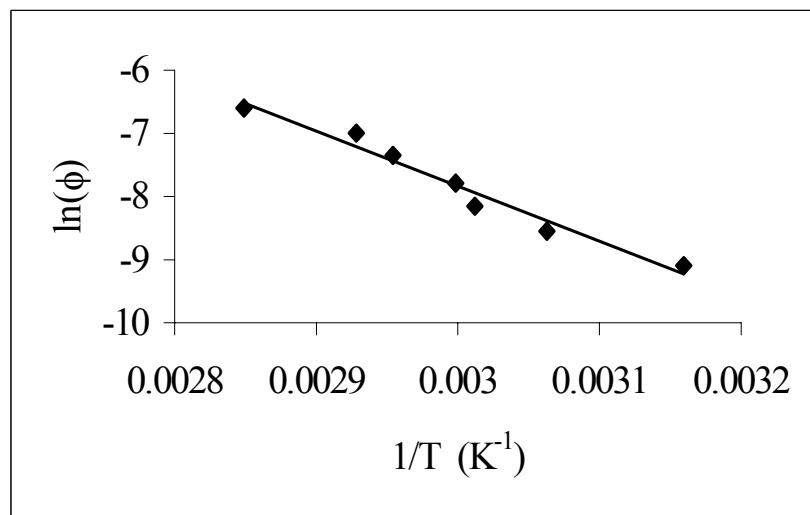
**Fig. S3 (a)** Phase transition diagram of DDOA in n-heptane (melting temperatures)



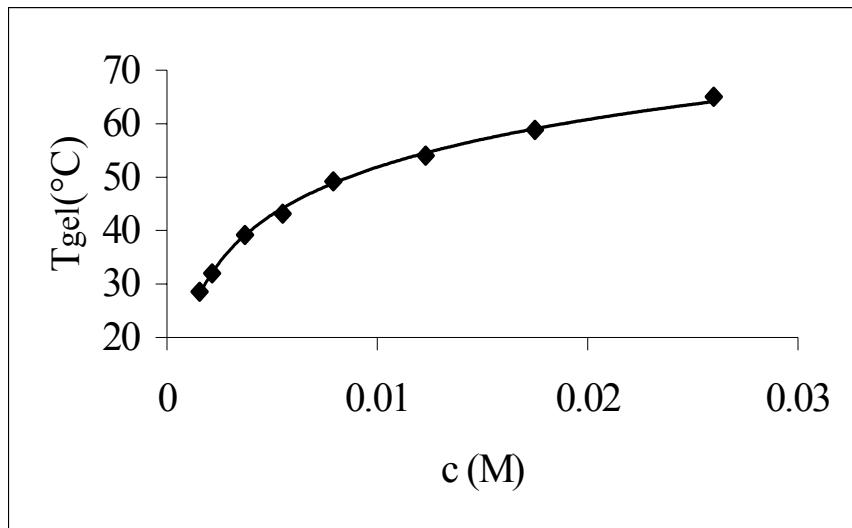
**Fig. S4 (a)**  $\ln(\phi)$  vs  $1/T_m$  plot for DDOA in n-heptane



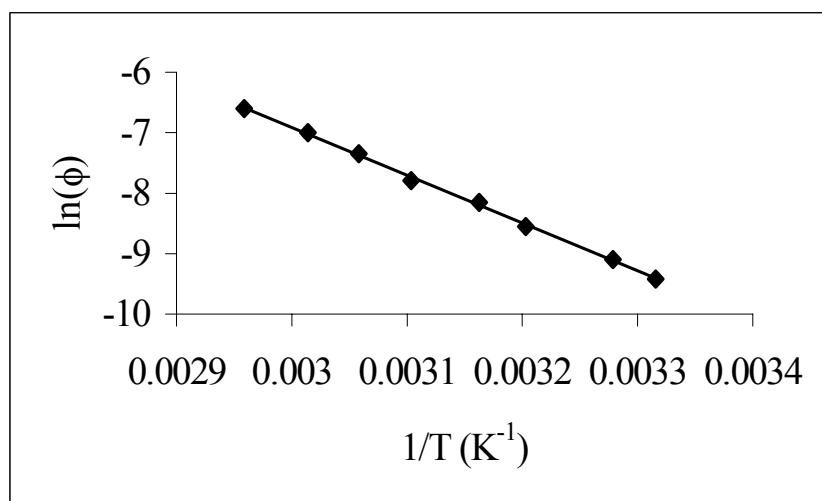
**Fig. S3 (b)** Phase transition diagram of DDOA in acetonitrile (melting temperatures)



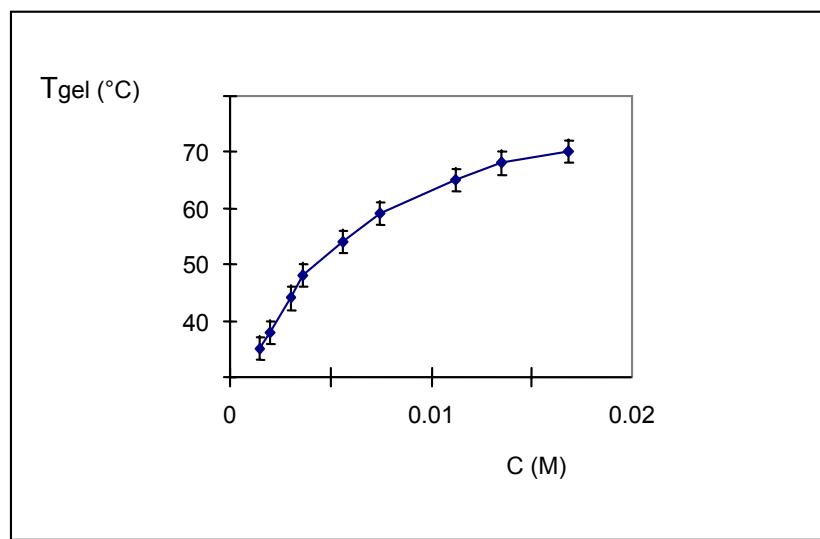
**Fig. S4 (b)**  $\ln(\phi)$  vs  $1/T_m$  plot for DDOA in acetonitrile



**Fig. S3 (c)** Phase transition diagram of DDOA in acetonitrile (gelification temperatures)



**Fig. S4 (c)**  $\ln(\phi)$  vs  $1/T_{\text{gel}}$  plot for DDOA in acetonitrile



**Fig. S3 (d)** Phase transition diagram for DDOA gelification in propylenecarbonate