Electronic Supplementary Information (ESI)

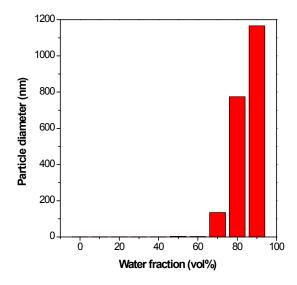
## Light emission property and self-assembly of a tolane-based luminogen

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 $\textbf{Fig. S1} \ \ \text{Particle size of 1} \ \text{in acetonitrile/water mixtures with different water fractions. Concentration: 10 } \ \mu\text{M}.$ 

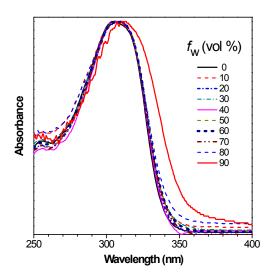


Fig. S2 UV spectra of 1 in acetonitrile/water mixtures with different water fractions ( $f_w$ ). Concentration: 10  $\mu$ M.

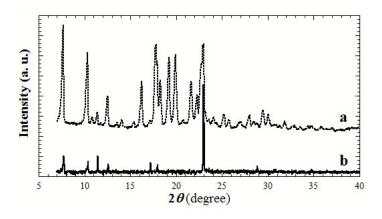


Fig. S3 WAXRD patterns of 1 prepared by evaporation of its ethanol solution with concentrations of (a) 10 mg  $^{-1}$  and (b) 2.5 mg  $^{-1}$  at 0  $^{\circ}$ C.

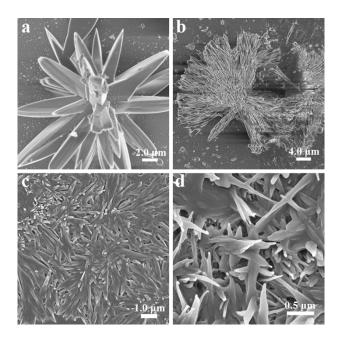


Fig. S4 SEM images of 1 formed by evaporation of its isopropanol (a), n-propanol (b) and THF (c and d) solutions with a concentration of 10 mg mL<sup>-1</sup> at 0 °C.

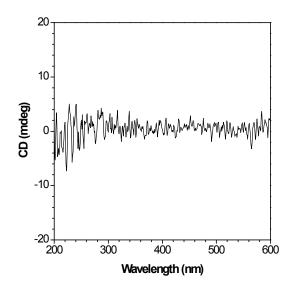


Fig. S5 CD spectrum of 1 in aggregate state formed by evaporation of its ethanol solution with a concentration of 2.5 mg mL<sup>-1</sup> at 0  $^{\circ}$ C.