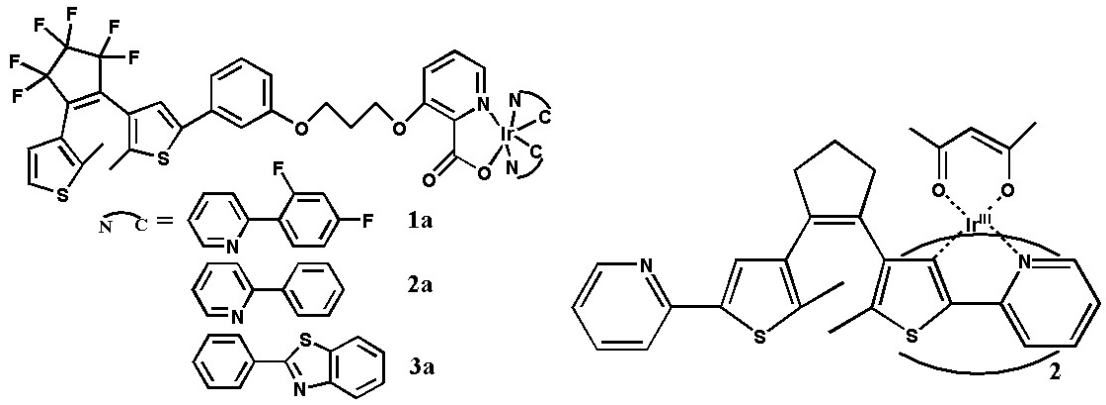
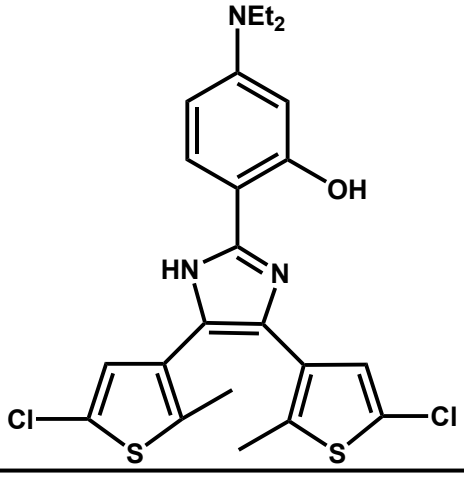
Electronic Supplementary Material (ESI) for RSC Advances.

Electronic Supporting Information



Scheme S1



Scheme S2

Table S1 UV-vis absorption bands of hnbdtiH, **1** and **2** in CH_2Cl_2 at room temperature.

Compound	λ_{max} (nm)
hnbdtiH	240, 276, 361
1	257, 289, 390
2	258, 289, 390, 467

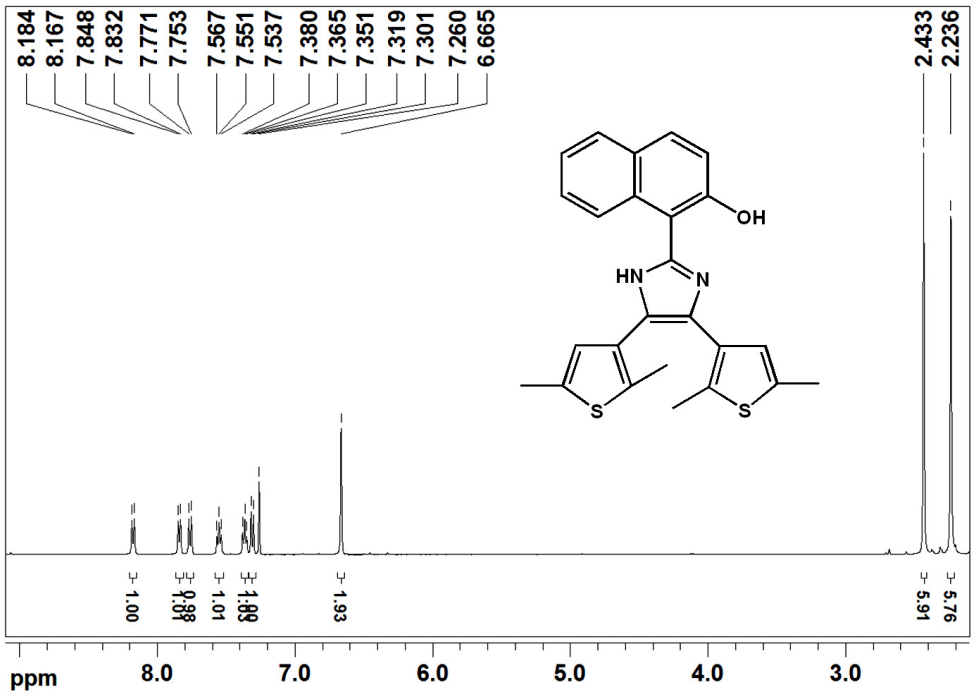


Fig. S1 ^{1}H NMR spectrum of hnbdtiH (500 MHz, $CDCl_3$).

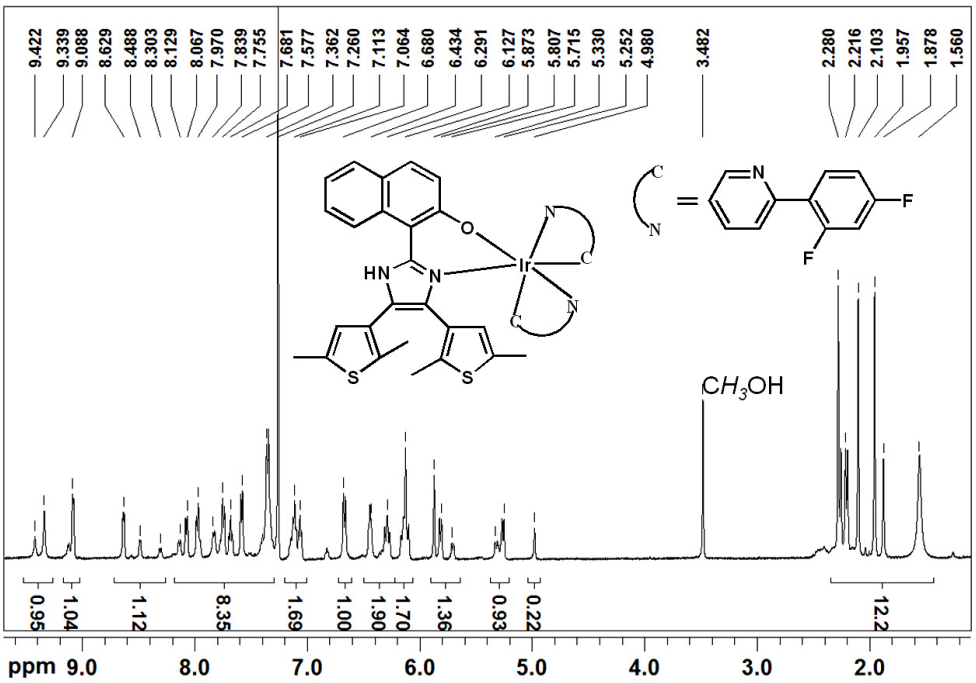


Fig. S2 ^{1}H NMR spectrum of **1** (500 MHz, $CDCl_3$).

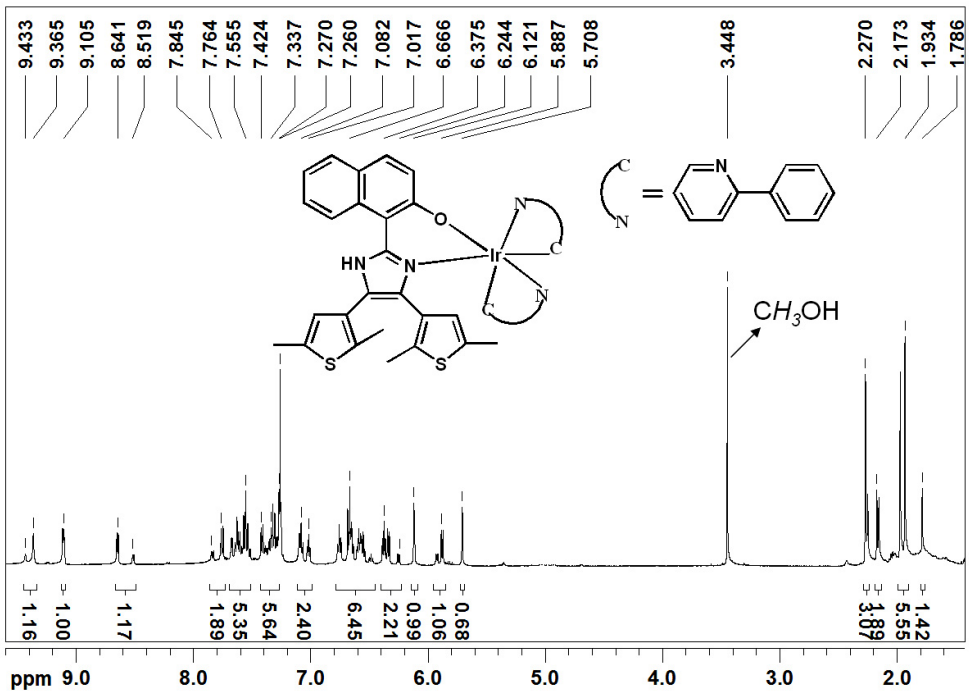


Fig. S3 ^{1}H NMR spectrum of **2** (500 MHz, $CDCl_3$).

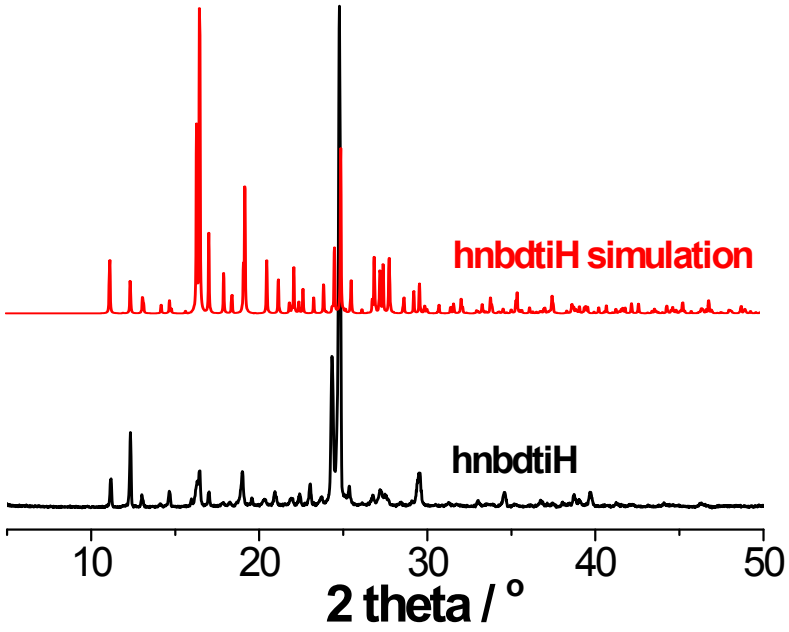


Fig. S4 Experimental and simulated XRD patterns of hnbdtiH.

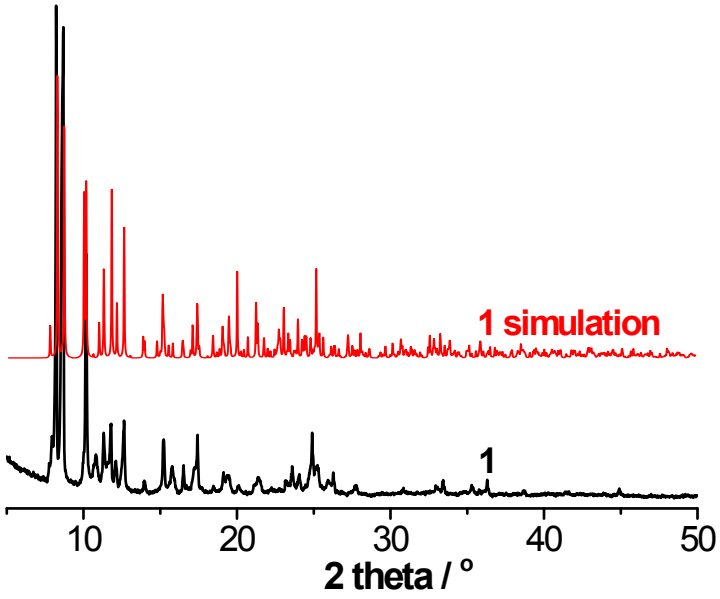


Fig. S5 Experimental and simulated XRD patterns of **1**.

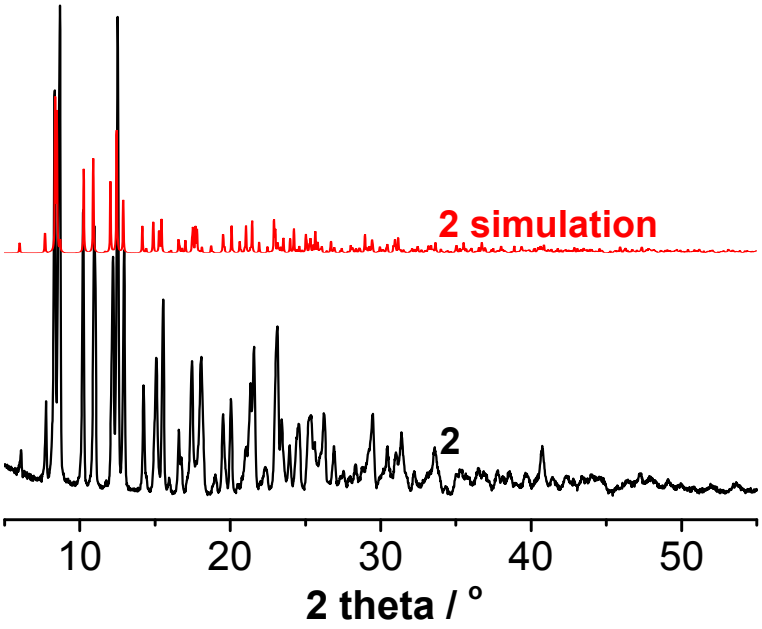


Fig. S6 Experimental and simulated XRD patterns of **2**.

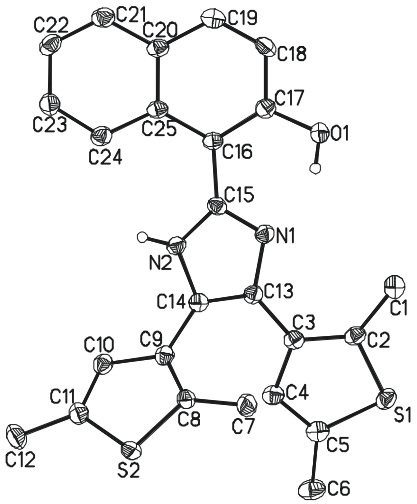


Fig. S7 Molecular structure of hnbdtiH (50% probability). All H atoms attached to C atoms are omitted for clarity.

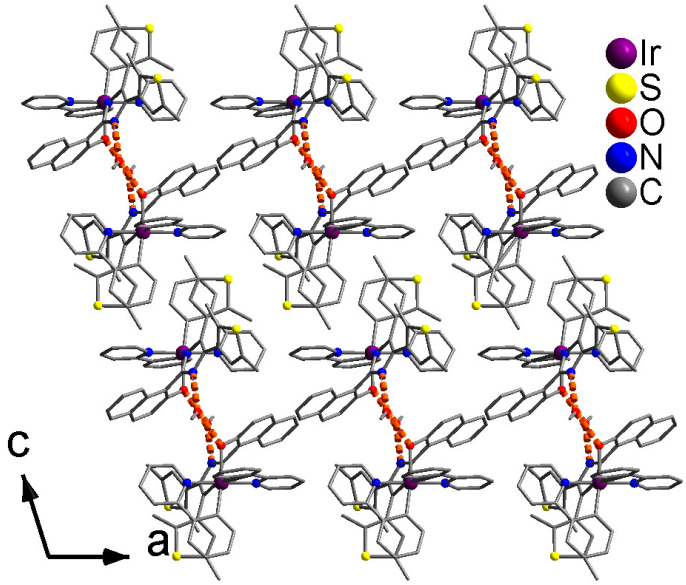


Fig. S8 Packing structure of **2**.

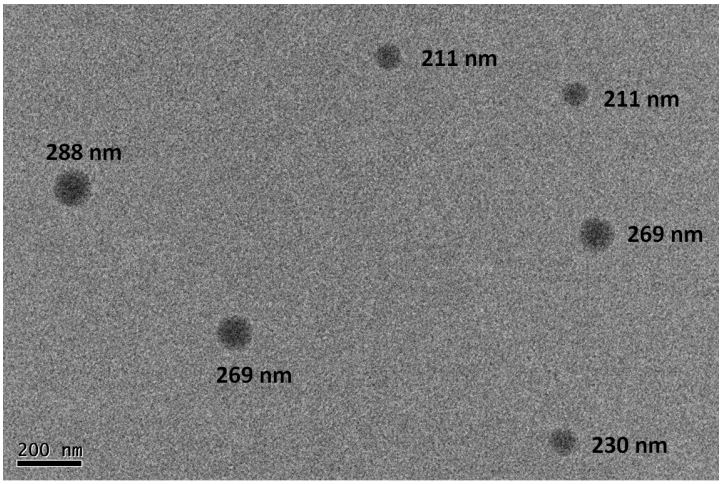


Fig. S9 The morphology of **1** in $CH_3CN–H_2O$ mixture (v/v = 1/1, c = 2×10^{-5} M), showing particles with a size range of 200-300 nm.

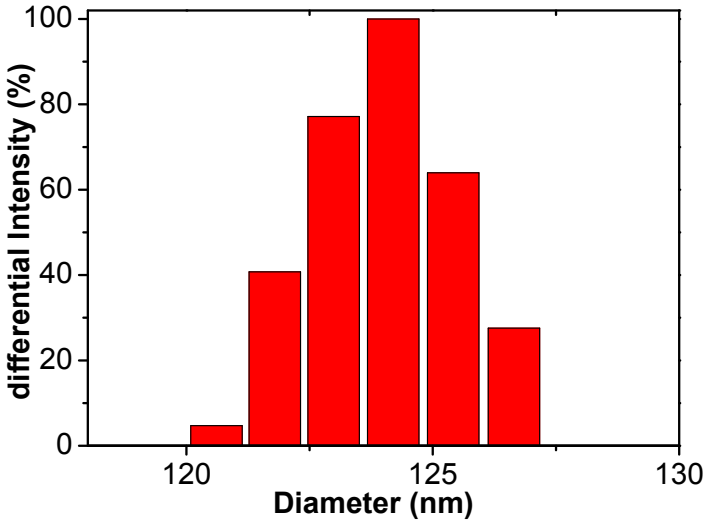


Fig. S10 Particle size distributions of **1** in $CH_3CN–H_2O$ mixture (v/v = 1/1, c = 2×10^{-5} M).

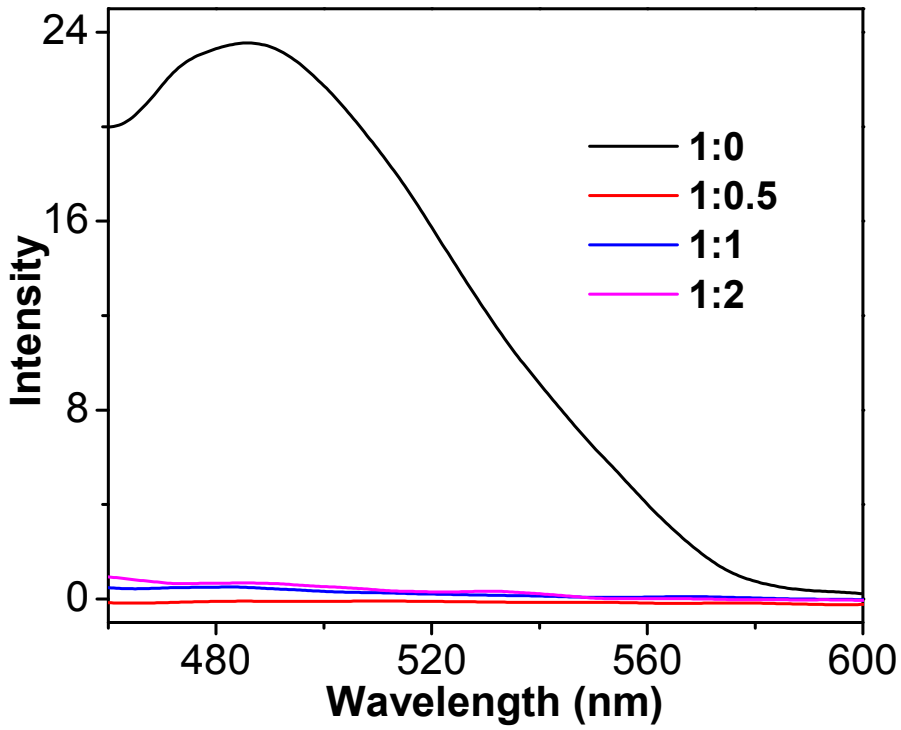


Fig. S11 Luminescence spectra of **2** in CH_3CN-H_2O mixtures with different water fractions.