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Supporting information for article:

Synthesis, structural characterization and luminescence properties of 1-carboxymethyl-3-ethylimidazolium chloride

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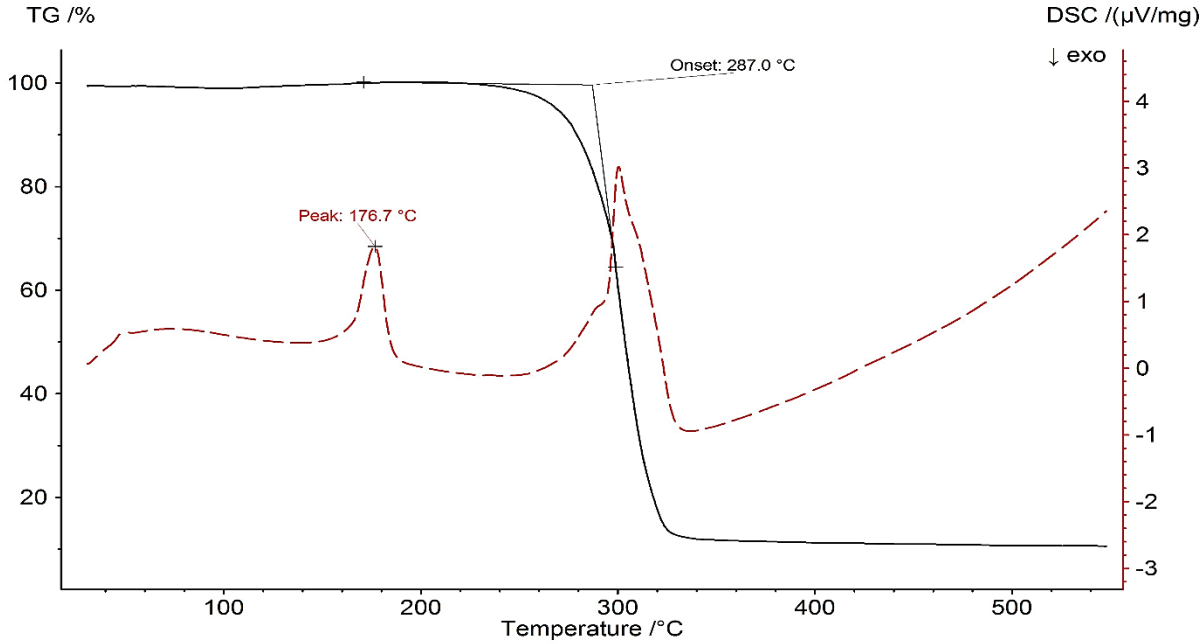

Figure S1 TG/DSC curves of (1) at a heating rate of 10 °C min^{-1} under dynamic air atmosphere.

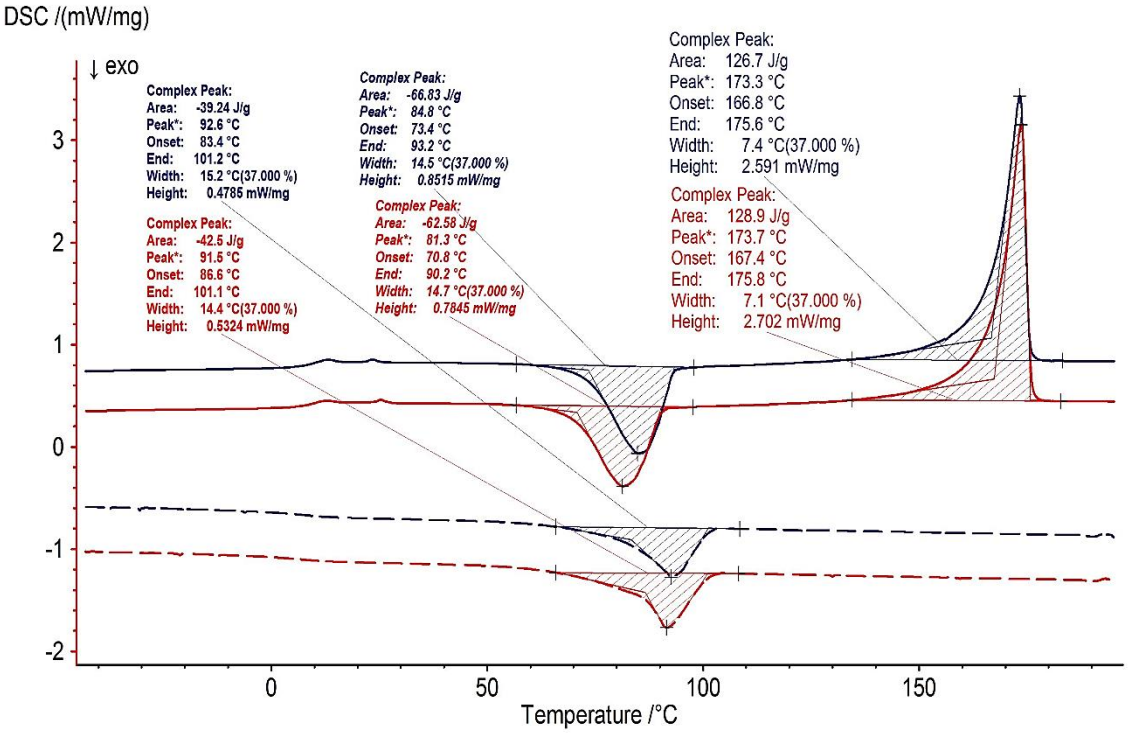

Figure S2 Two-cycle DSC thermogram of (1) with a scanning rate of 10 °C min^{-1} (red solid line for 1st heating, red dashed line for 1st cooling, blue solid line for 2nd heating, blue dashed line for 2nd cooling).

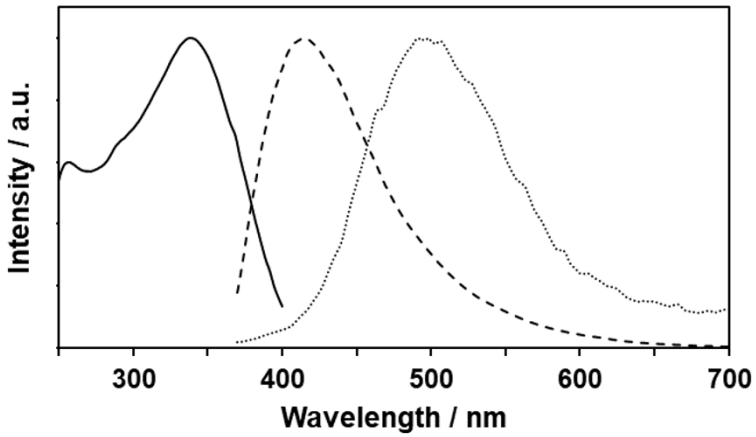

Figure S3 Fluorescence excitation spectrum of (1) monitored at 415 nm (solid line). Fluorescence emission spectrum of (1) excited at 340 nm (dashed line). Phosphorescence emission spectrum of (1) excited at 340 nm (dotted line). The phosphorescence was recorded with a time delay of 0.05 ms.

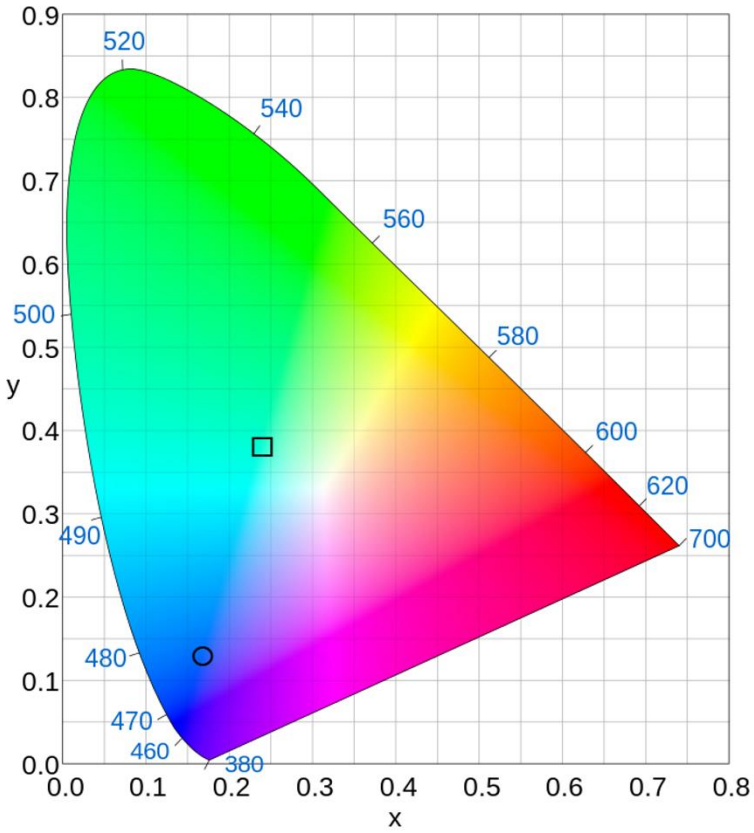

Figure S4 The CIE 1931 chromaticity diagram for (1) (○ – fluorescence at r.t., □ – phosphorescence at 77 K).

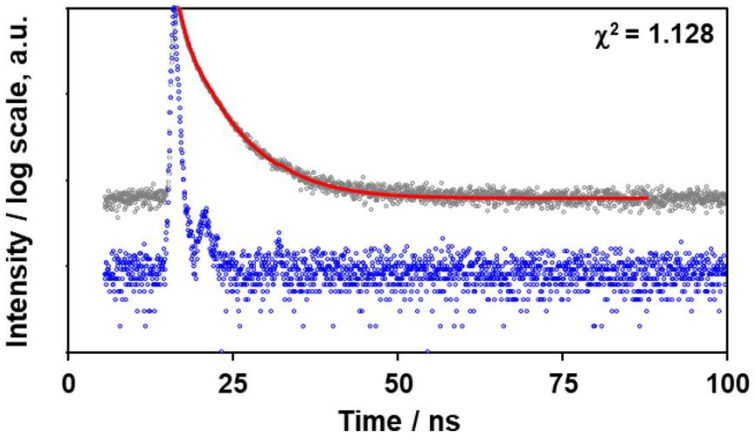

Figure S5 Fluorescence decay curve of (1) excited at 340 nm together with the instrument response function (IRF). The fluorescence was monitored at 415 nm.

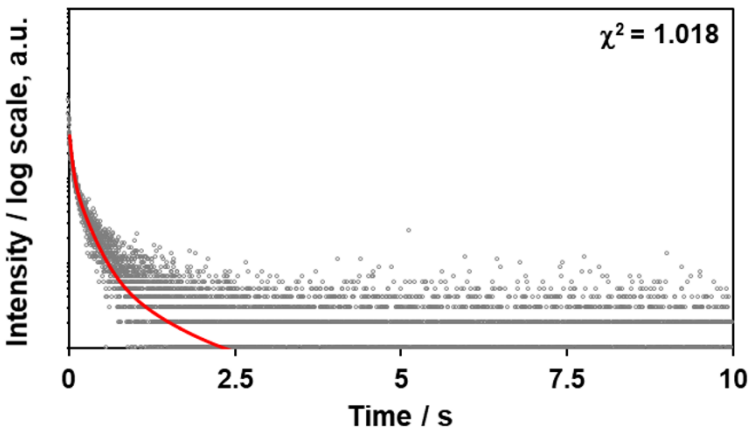

Figure S6 Phosphorescence decay curve of (1) excited at 340 nm. The phosphorescence was monitored at 500 nm.