Supporting Information

The Synthesis and Properties of Iridium(III)-cored Dendrimers with Carbazole Peripherally Functionalized β-Diketonato Dendrons

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B. 1H NMR and 13C NMR spectra and mass spectra of the dendritic ligands and their iridium(III) complexes.
A. Figure S1. Cyclic voltammograms of dendrimers (9-14):

Electrochemistry was performed using a CHI 2.05. All measurements were made at room temperature with samples dissolved in dichloromethane, and the concentration of the iridium(III) complex was about $1 \times 10^{-3}$ M. Tetra-$n$-butylammonium tetrafluoroborate was used as the supporting electrolyte, and its concentration was 0.1 M. Scan rate: 100 mV/s.

B. $^1$H NMR and $^{13}$C NMR spectra and mass spectra of the dendritic ligands and their dendritic iridium(III) complexes:
CZG₃OH
CZG₃Br (4)
CZG₀(5)
CZG\textsubscript{2}(7)
Ir(ppy)$_2$CZG$_6$ (9)
Ir(ppy)$_2$CZG$_1$ (10)
Ir(ppy)$_2$CZG$_2$ (11)
Ir(ppy)$_2$CZ$_3$ (12)
Ir(df)p$_2$CZG$_2$ (13)
Ir(btp)$_2$CZG$_2$ (14)