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## Dendronised diazapyrenium derivatives: host-guest complexes in aqueous solution

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Figure S1a. <sup>1</sup>H NMR (300 MHz, CD<sub>3</sub>OD, 25°C) spectrum of DAPG1<sup>2+</sup>.



Figure S1b. <sup>13</sup>C NMR (75 MHz, CD<sub>3</sub>OD, 25°C) spectrum of DAPG1<sup>2+</sup>.



Figure S1c. DEPT135 NMR (75 MHz, CD<sub>3</sub>OD, 25°C) spectrum of DAPG1<sup>2+</sup>.



Figure S1d. IR spectrum (neat) of DAPG1<sup>2+</sup>.



Figure S1e. MALDI-TOF mass spectrum of DAPG1<sup>2+</sup>.



Figure S2a. <sup>1</sup>H NMR (300 MHz, CD<sub>3</sub>OD, 25°C) spectrum of DAPG2<sup>2+</sup>.



Figure S2b. <sup>13</sup>C NMR (75 MHz, CD<sub>3</sub>OD, 25°C) spectrum of DAPG2<sup>2+</sup>.



Figure S2c. DEPT135 NMR (75 MHz, CD<sub>3</sub>OD, 25°C) spectrum of DAPG2<sup>2+</sup>.



Figure S2d. IR spectrum (neat) of DAPG2<sup>2+</sup>.



Figure S2e. MALDI-TOF mass spectrum of DAPG2<sup>2+</sup>.



Figure S3a. <sup>1</sup>H NMR (300 MHz, CD<sub>3</sub>OD, 25°C) spectrum of DAPG3<sup>2+</sup>.



Figure S3b. <sup>13</sup>C NMR (75 MHz, CD<sub>3</sub>OD, 25°C) spectrum of DAPG3<sup>2+</sup>.



Figure S3c. DEPT135 NMR (75 MHz, CD<sub>3</sub>OD, 25°C) spectrum of DAPG3<sup>2+</sup>.



Figure S3d. IR spectrum (neat) of DAPG3<sup>2+</sup>.



Figure S3e. MALDI-TOF mass spectrum of DAPG3<sup>2+</sup>.



**Figure S4.** Emission spectrum of dendrimer **DAPG2**<sup>2+</sup> in water at 298 K.  $\lambda_{ex}$  = 335 nm.