Electronic Supplementary Material (ESI) for Dalton Transactions

Supporting Information

A new metallostar complex based on an aluminum(III) 8-hydroxyquinoline core as a potential bimodal contrast agent

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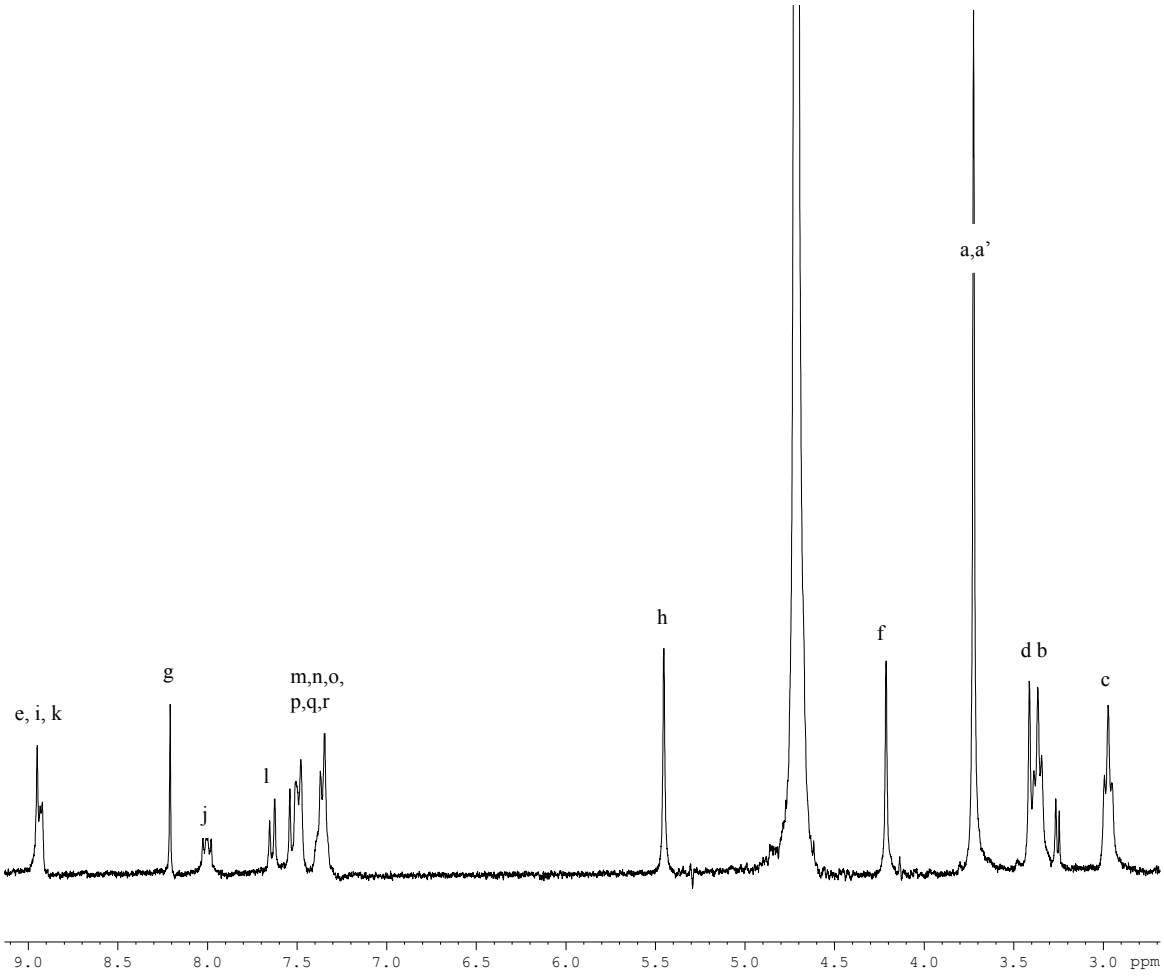

Figure S1. Proton NMR spectrum of ligand H_4**4** in D_2O at 298 K. For the resonance assignment, see Scheme 1.

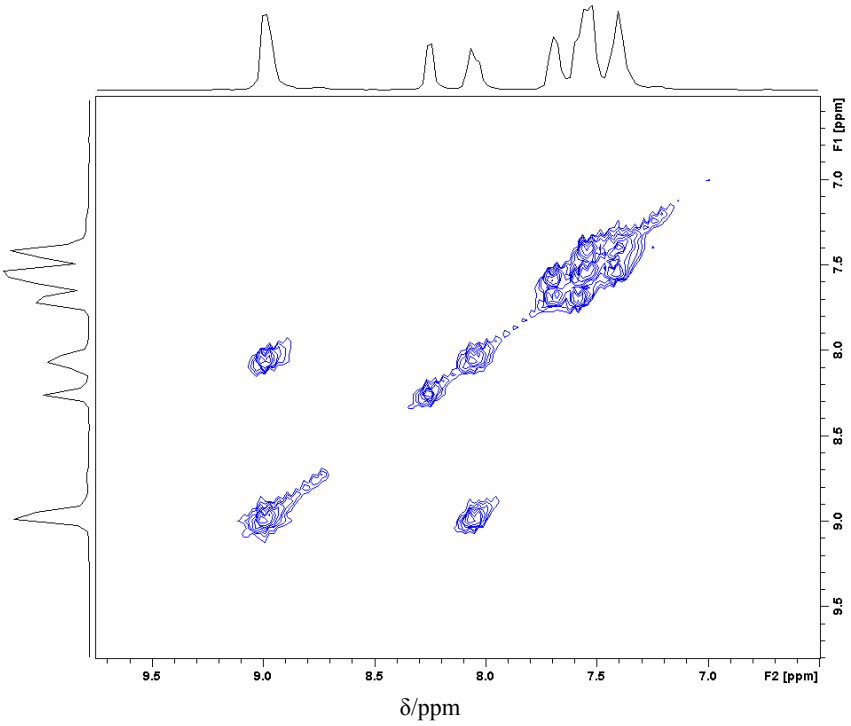

Figure S2. 2D COSY NMR spectrum of the aromatic region of ligand H_4**4** in DMSO-d_6.

Figure S3. Positive mode ESI-MS of the final metallostar complex $[(Gd\mathbf{5})_3Al(H_2O)_3]^{3-}$ showing a molecular peak $[M+4Na+2H+2H_2O]^{3+}$ at m/z = 796.4.

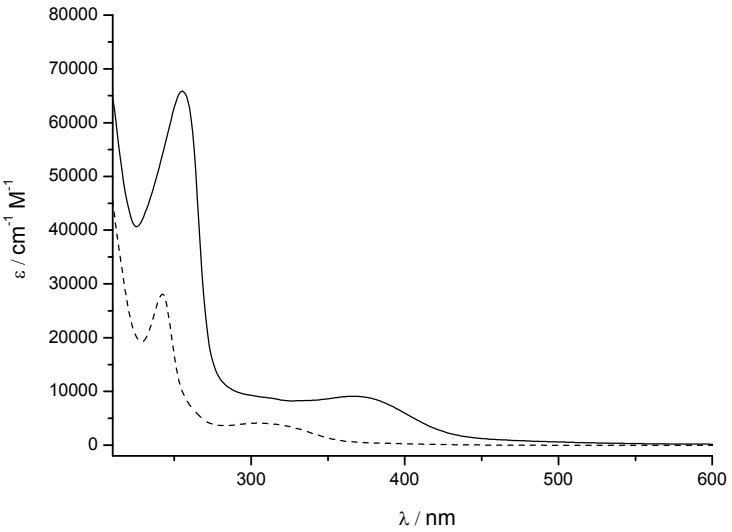

Figure S4. Absorption spectra of $[Gd(H\mathbf{5})(H_2O)]^-$ (dashed line), and of the metallostar complex $[(Gd\mathbf{5})_3Al(H_2O)_3]^{3-}$ (solid line) in H_2O.