

Supplementary Information

Structural and Photophysical Properties of Trianionic Nine-coordinated Near-IR emitting 8-hydroxyquinoline-based Complexes

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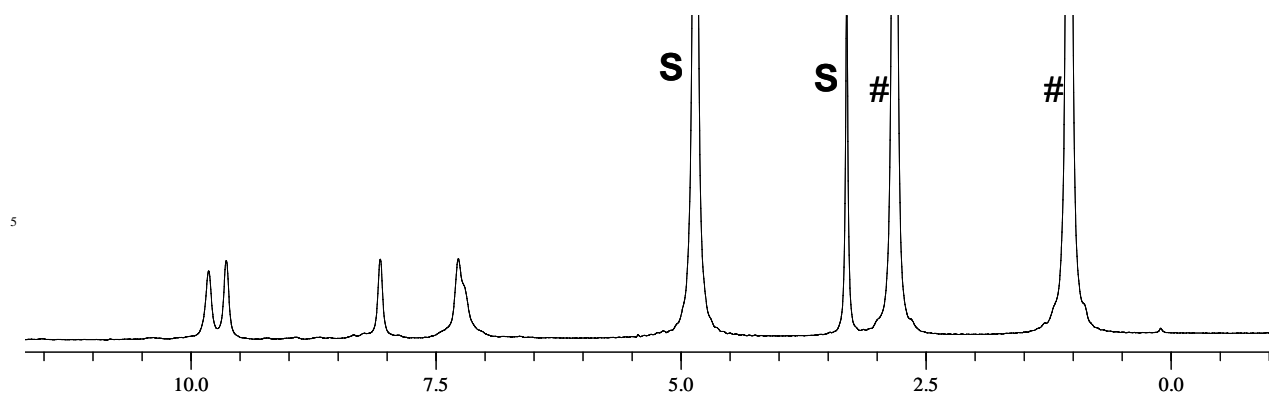


Figure S1. ^1H NMR spectra of a 1:3 Nd:H₂qt solution after addition of 2 equiv. of triethylamine. Symbols # and S correspond to the signals of triethylammonium and solvents, respectively (0.03 M in ligand CD₃OD, 400 MHz, 298 K)

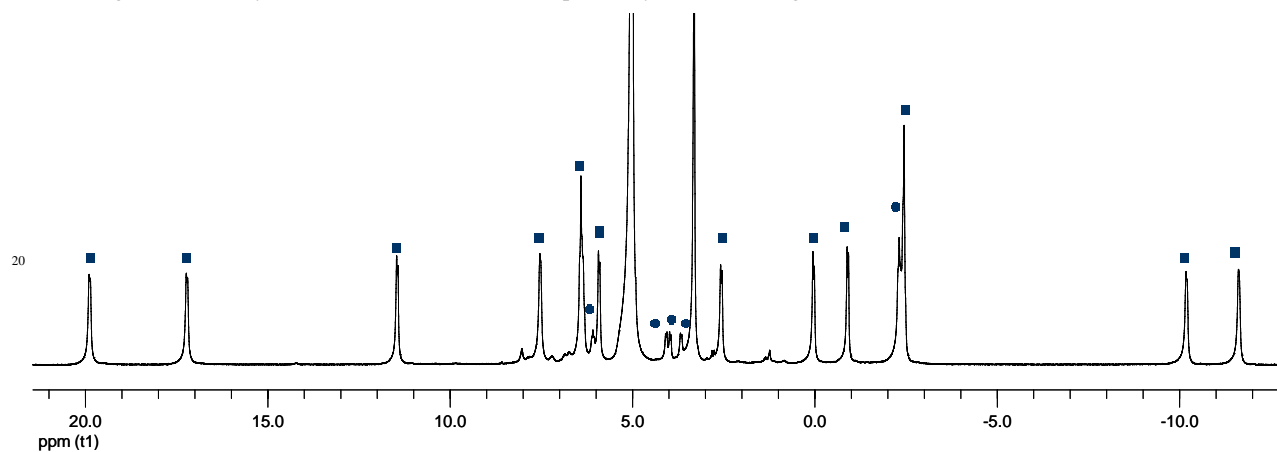


Figure S2. ^1H NMR spectrum of [Yb(hqa)₃]K₃, where ● signals corresponds to the syn species and ■ signals corresponds to the anti species. (CD₃OD, 500 MHz, 298 K).

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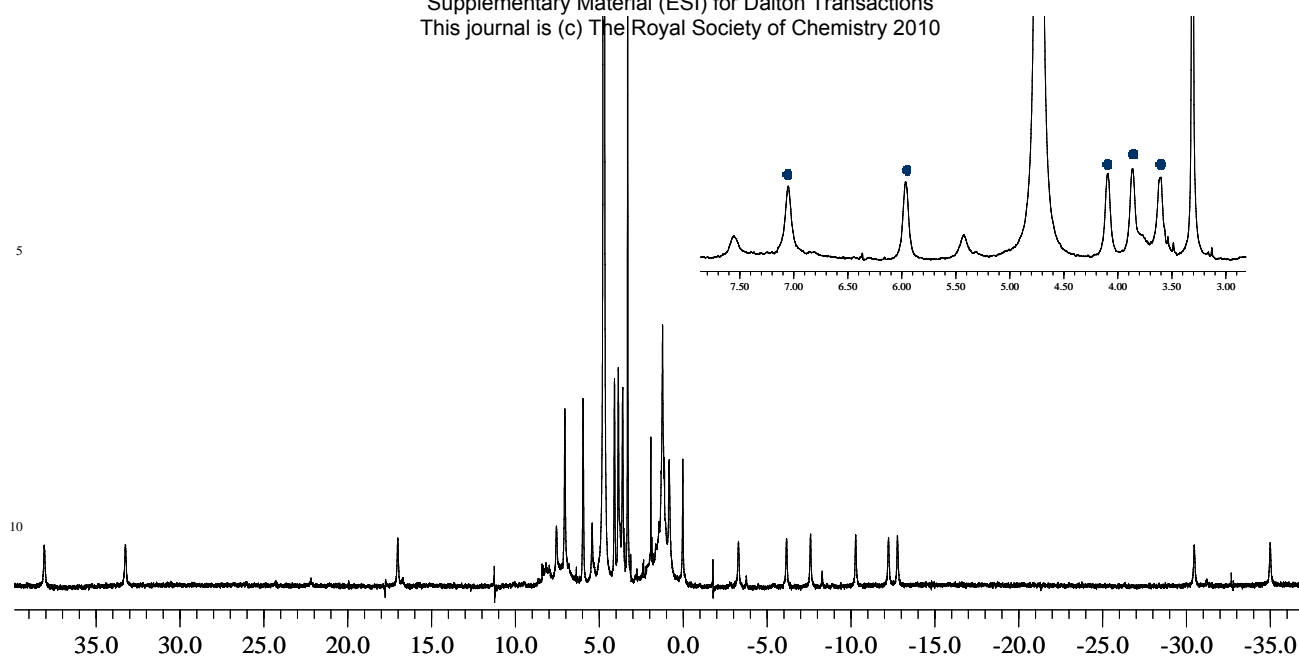


Figure S3. ^1H NMR spectrum of $[\text{Yb}(\text{hqt})_3]\text{K}_3$, where \bullet signals corresponds to the syn species and \blacksquare signals corresponds to the anti species. (D_2O , 400 MHz, 298 K).