

Electronic Supplementary Information

A phosphorescent Ir(III) complex with formamide for luminescent determination of low-level water content in organic solvents

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NMR and MALDI-TOF spectra

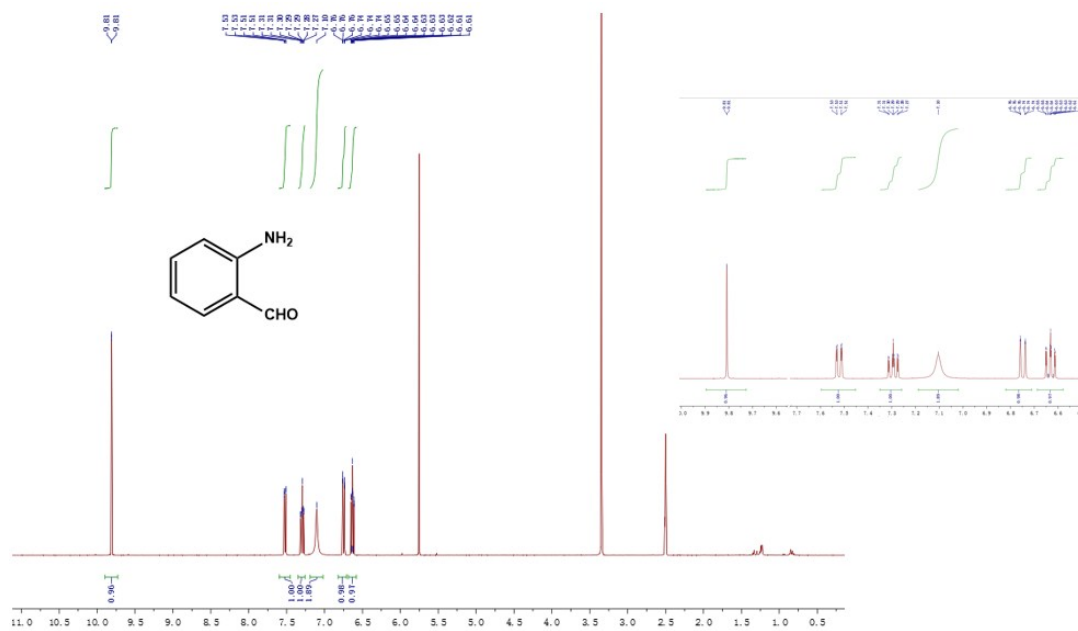


Fig. S1 ^1H NMR spectrum of compound 6.

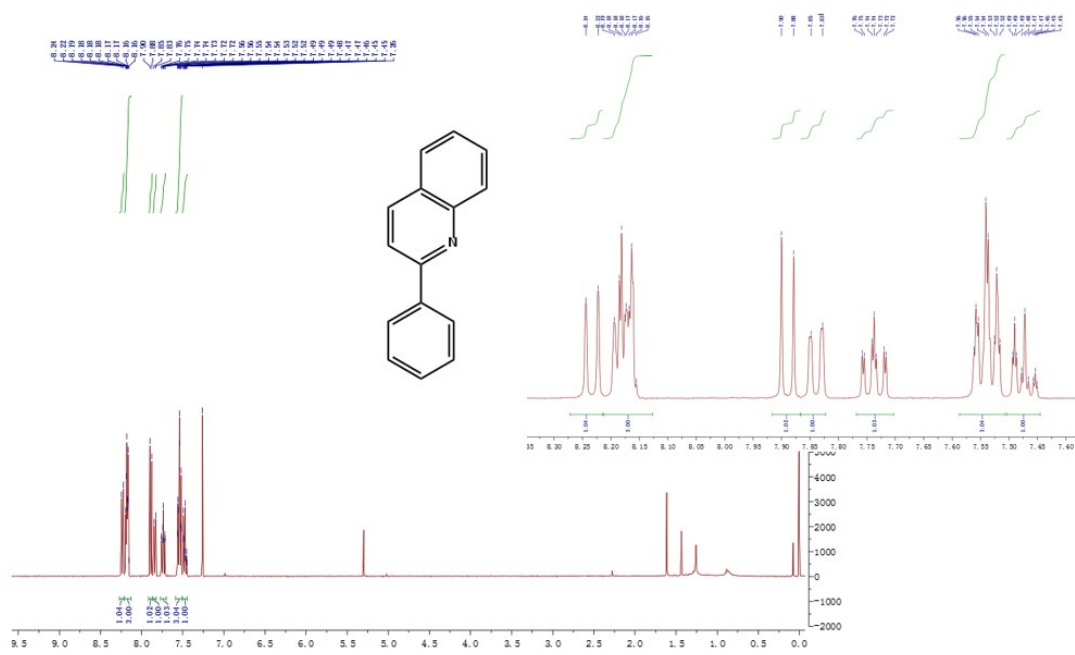


Fig. S2 ^1H NMR spectrum of compound 7.

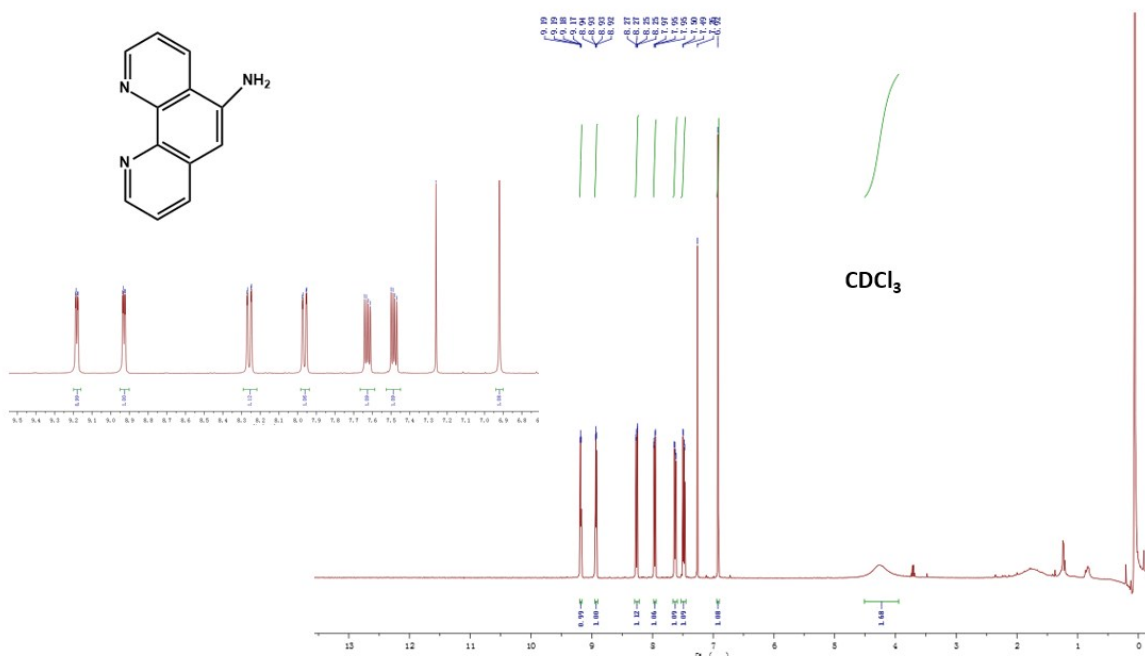


Fig. S3 ^1H NMR spectrum of compound 3.

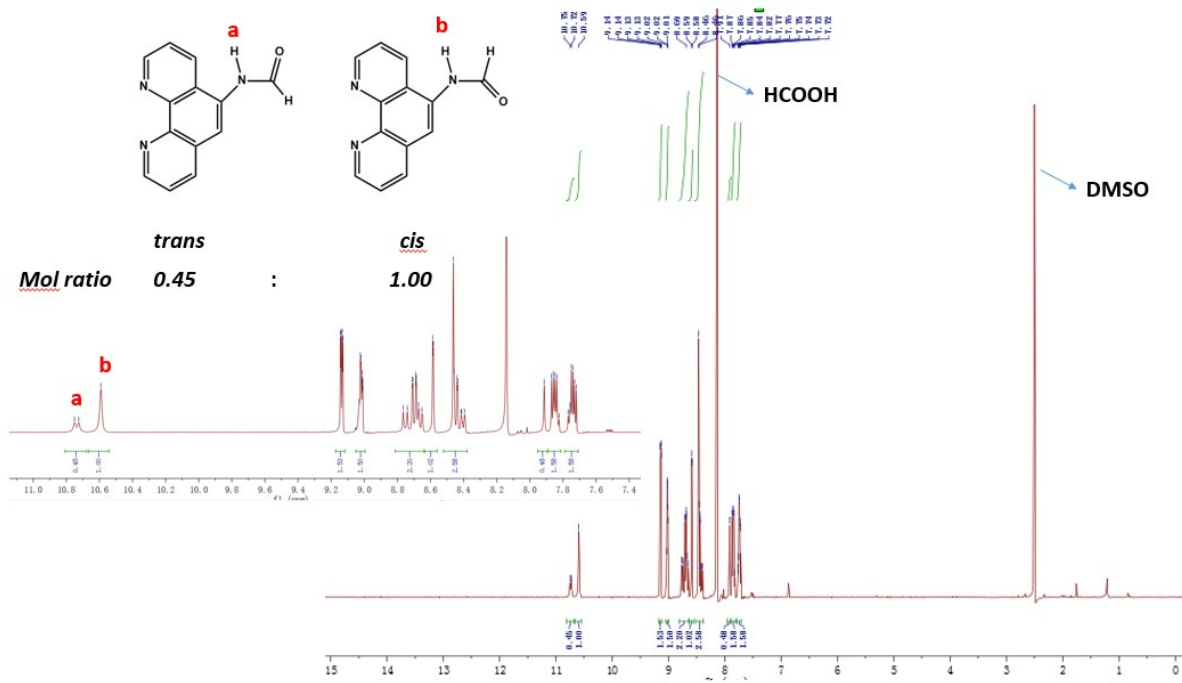
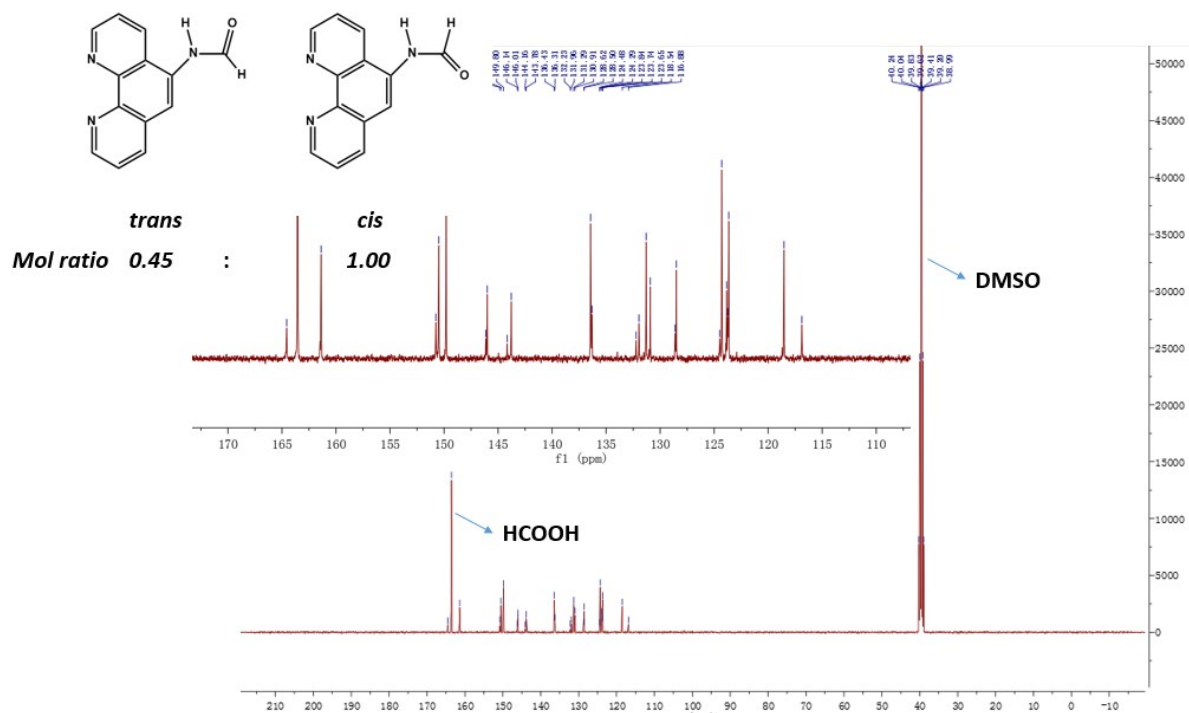


Fig. S4 ^1H NMR spectrum of compound **4** (in DMSO).



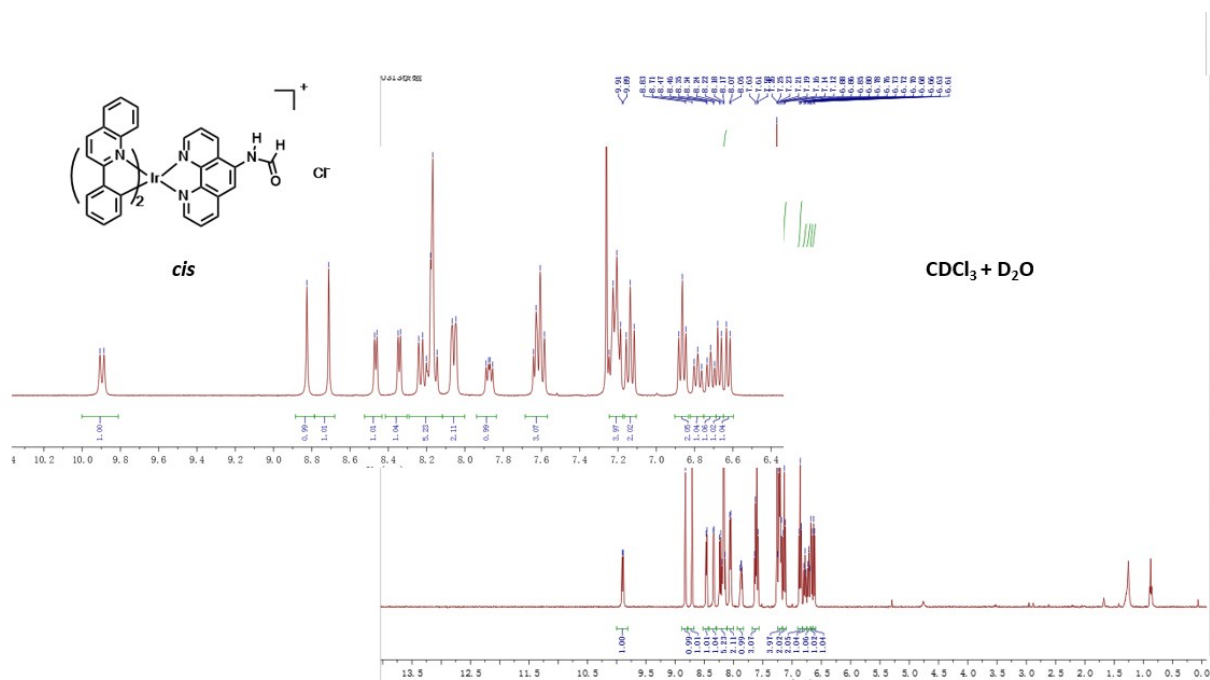
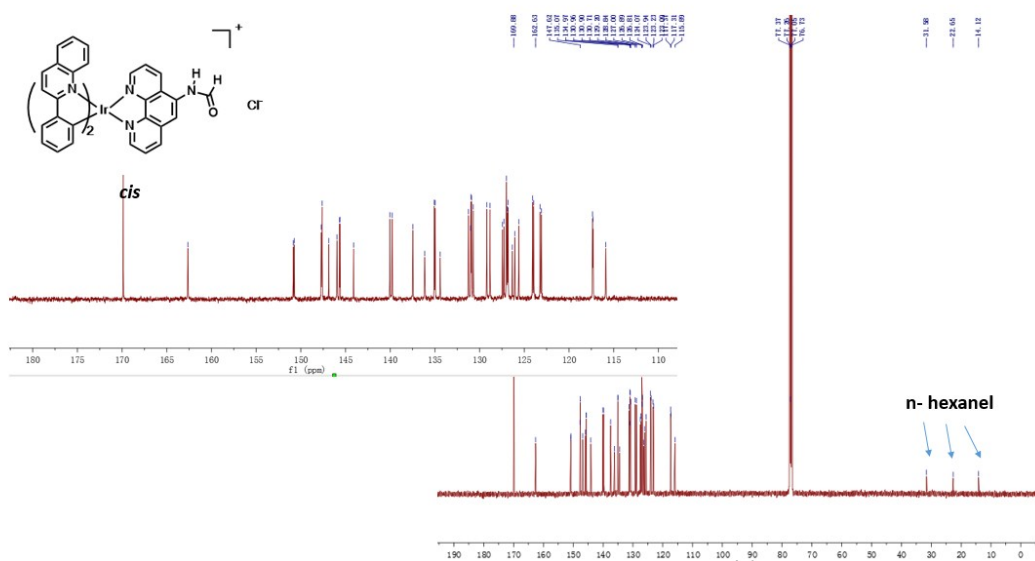


Fig. S8 ¹H NMR spectrum of complex 9 (in CDCl₃ + D₂O).



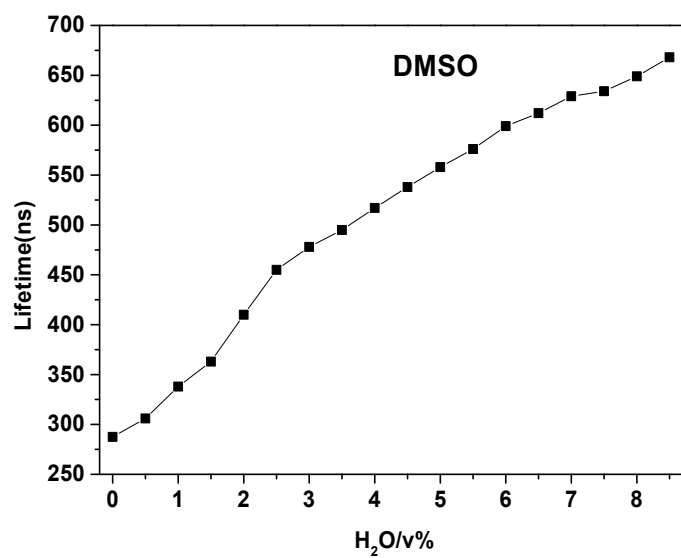


Fig. S11 Lifetime titration curve of DMSO solution (1.0×10^{-5} mol/L) of complex **9** containing F^- (0.2 equiv.) with different contents of water.