Supplementary Material

Synthesis, characterization, biological evaluation and DNA interaction studies of tricarbonyl M (I) (M = Re, ^{99m}Tc) complexes bearing acridine fluorophores

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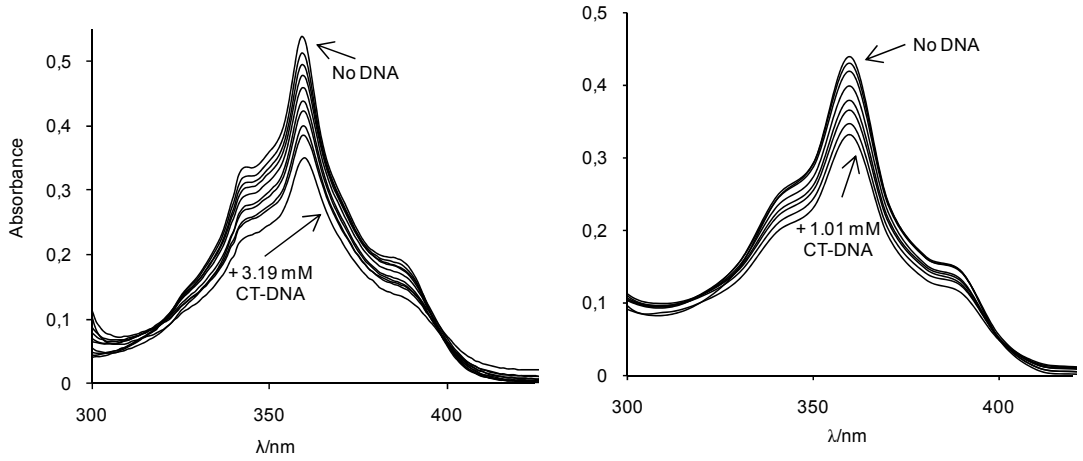
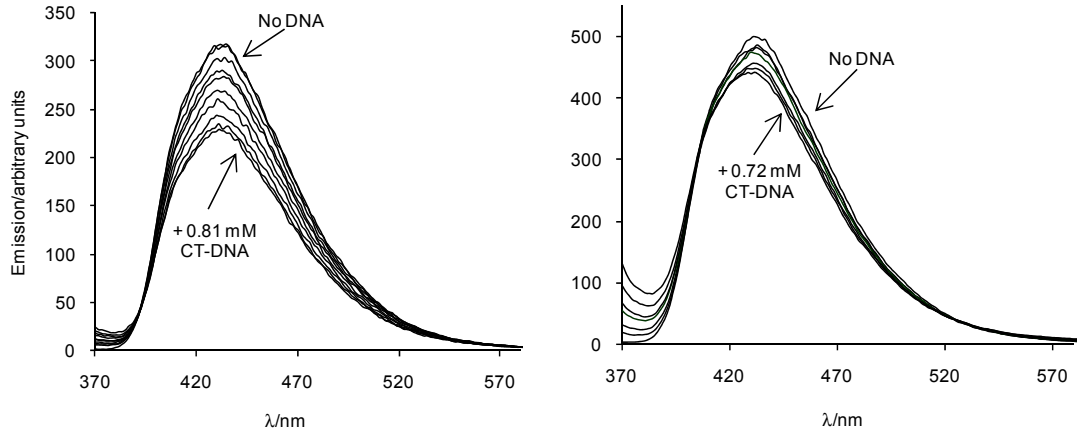
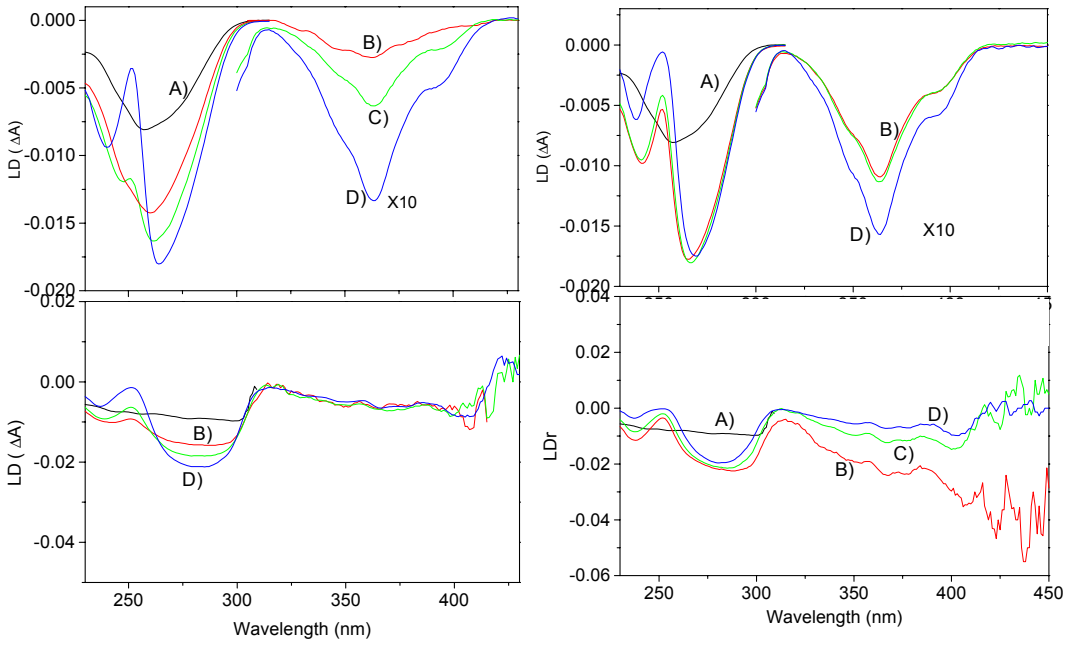


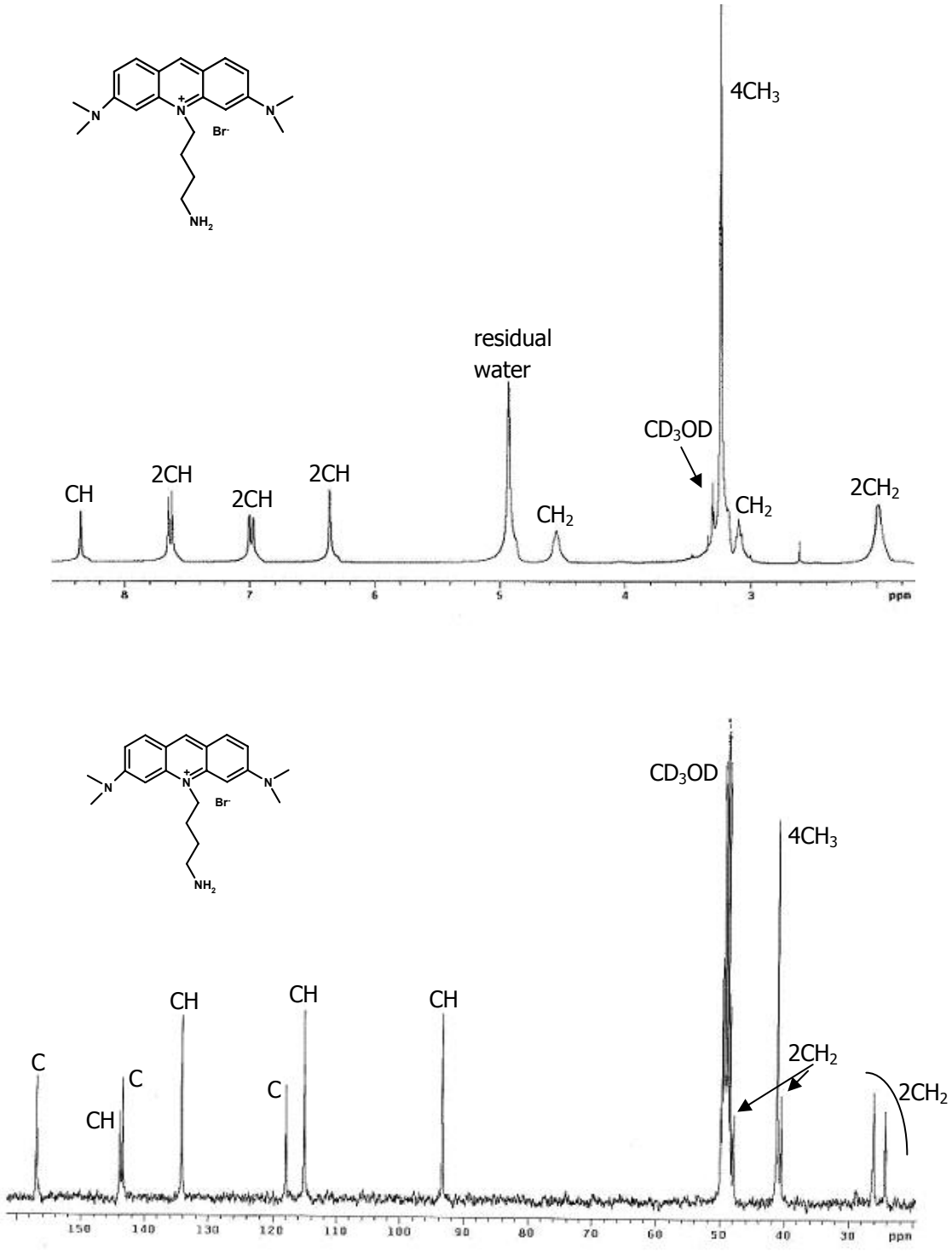
S1 Absorption spectra of **L2** (6.5×10^{-5} M) and **Re2** (4.94×10^{-5} M) in the presence of increasing amounts of CT-DNA (0.12, 0.48, 0.90, 1.29, 1.64, 1.96, 2.31, 2.79 and 3.19 mM for **L2**; 0.26, 0.40, 0.47, 0.54, 0.61, 0.72 and 1.01 mM for **Re2**) in TRIS-HCl 0.1M buffer.



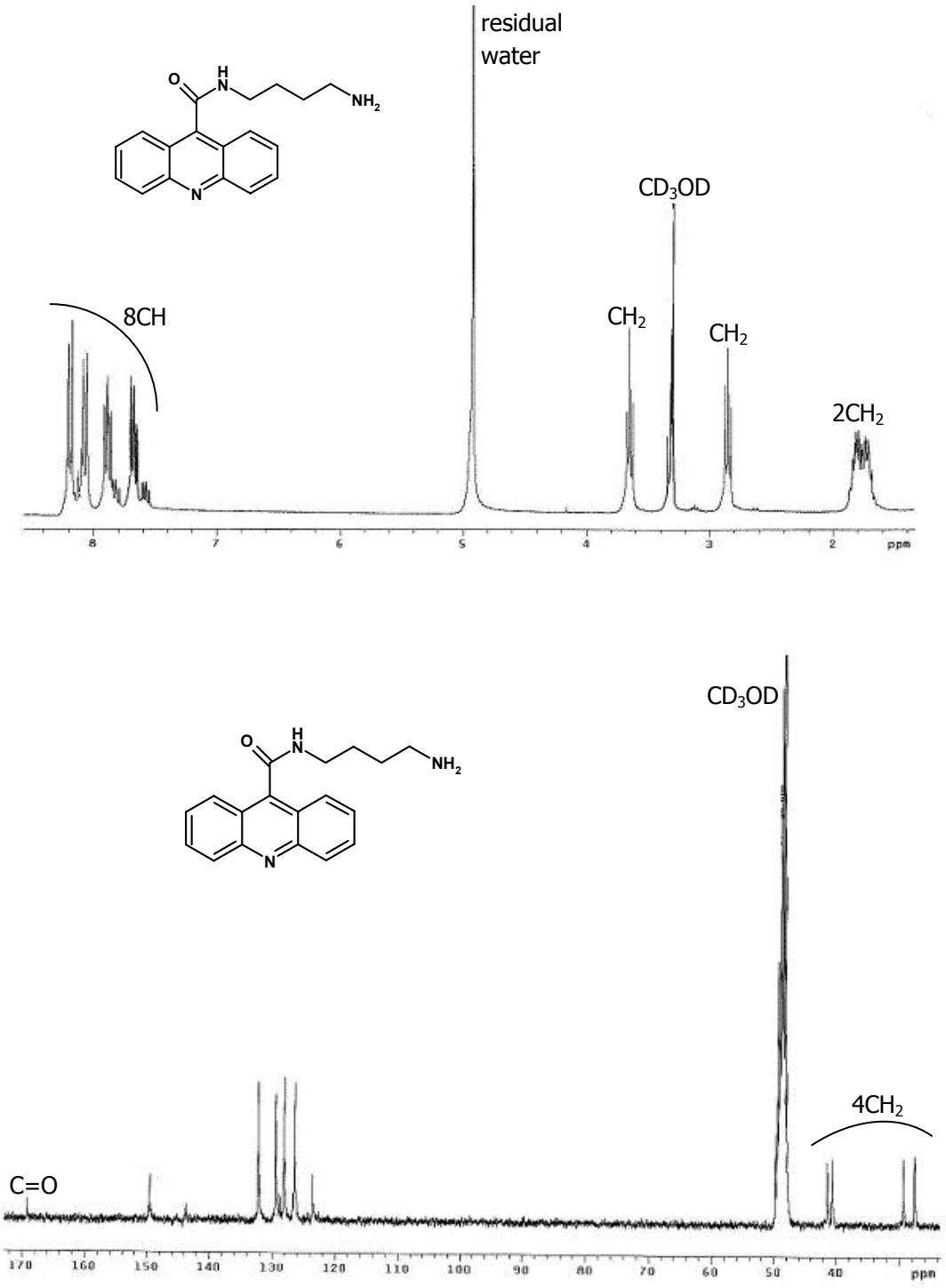
S2 Fluorescence spectra of **L2** (1.3×10^{-5} M, left) and **Re2** (9.9×10^{-6} M, right) in the presence of increasing amounts of CT-DNA (0.20, 0.29, 0.37, 0.44, 0.53, 0.61, 0.68, 0.75 and 0.81 mM for **L2**; 0.02, 0.06, 0.13, 0.29, 0.55 and 0.72 mM for **Re2**) in TRIS-HCL 0.1M buffer. Excitation at 359 nm.



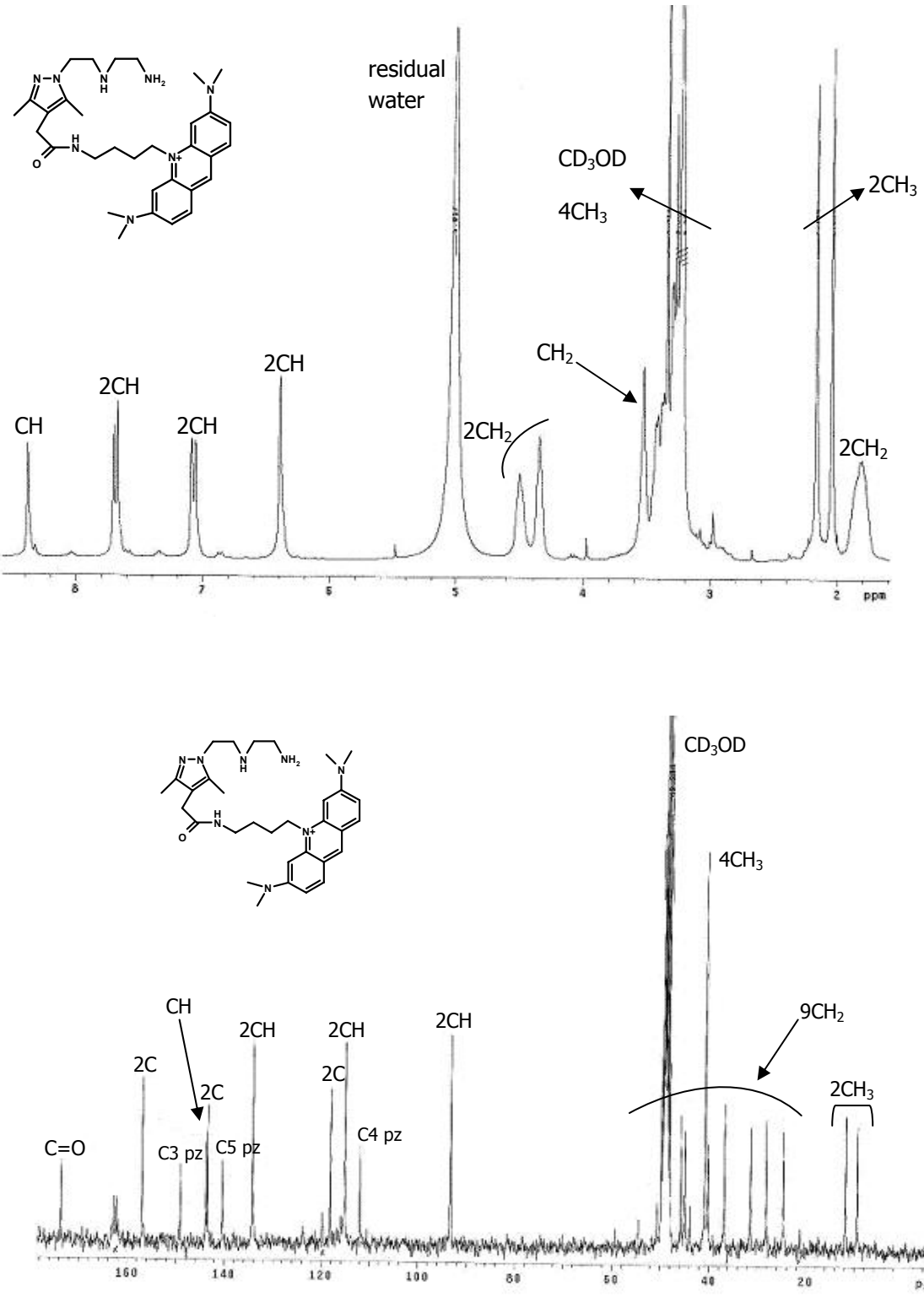
S3 Linear Dichroism (LD, upper panels) and reduced linear dichroism (LDr, lower panels) of **L2** (left) and **Re2** (right) at different [DNA]/[probe] molar ratios: A) no probe; B) 25; C) 12; D) 5. Spectra were recorded in 10 mM phospate buffer at pH 7.2.



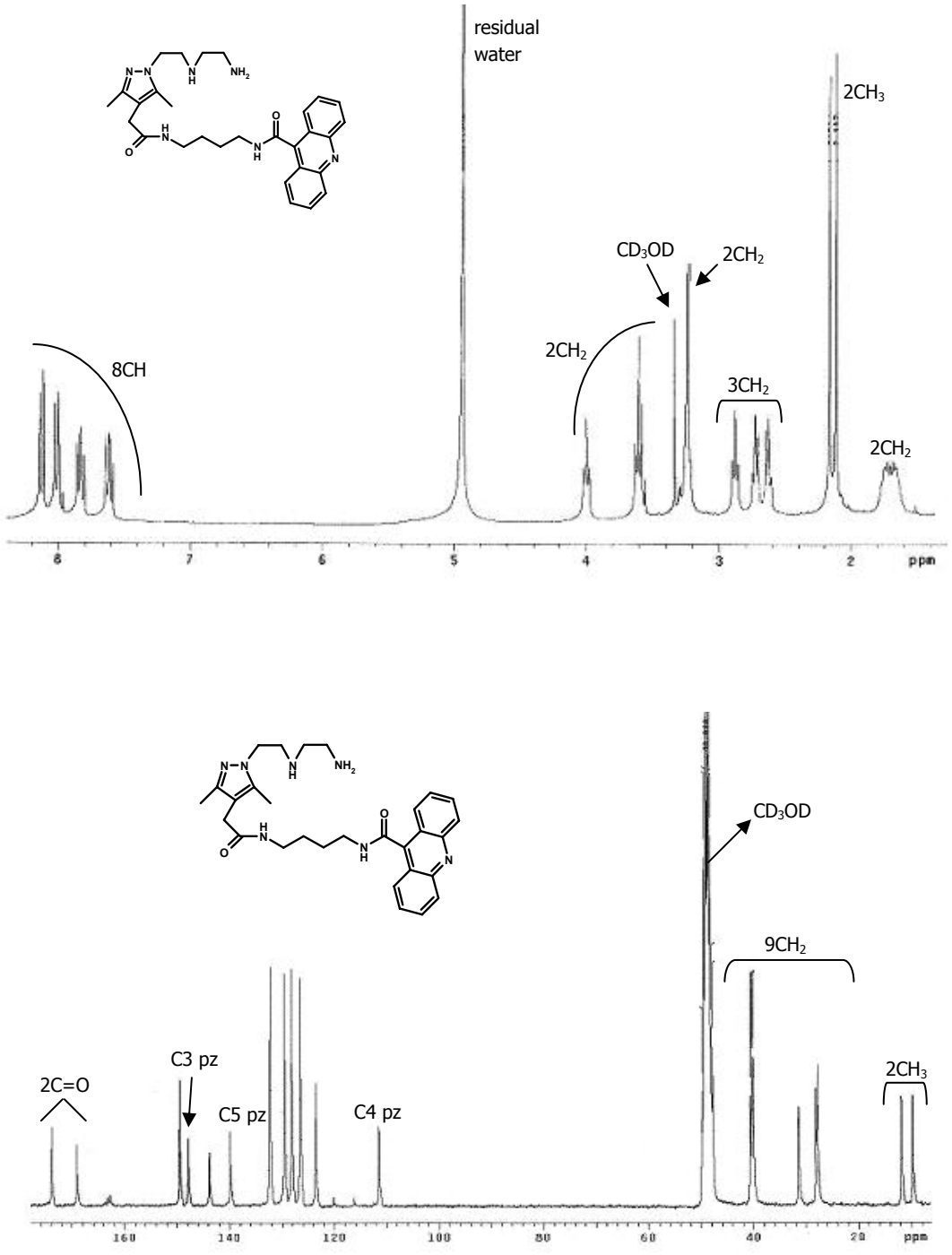
S4 NMR spectra of compound **1** in CD_3OD: ^{1}H (top) and ^{13}C (bottom).



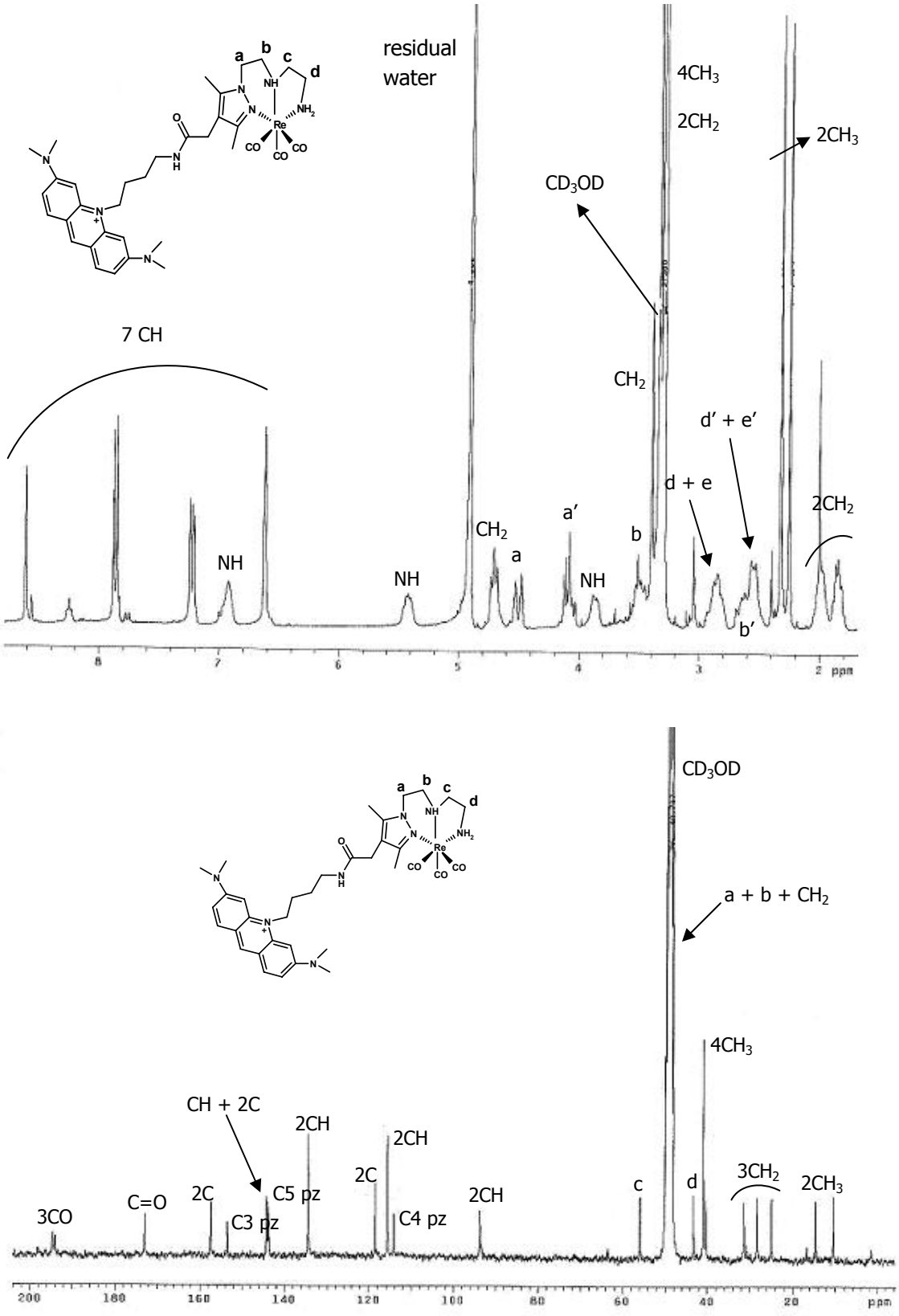
S5 NMR spectra of compound **2** in CD_3OD: ^{1}H (top) and ^{13}C (bottom).



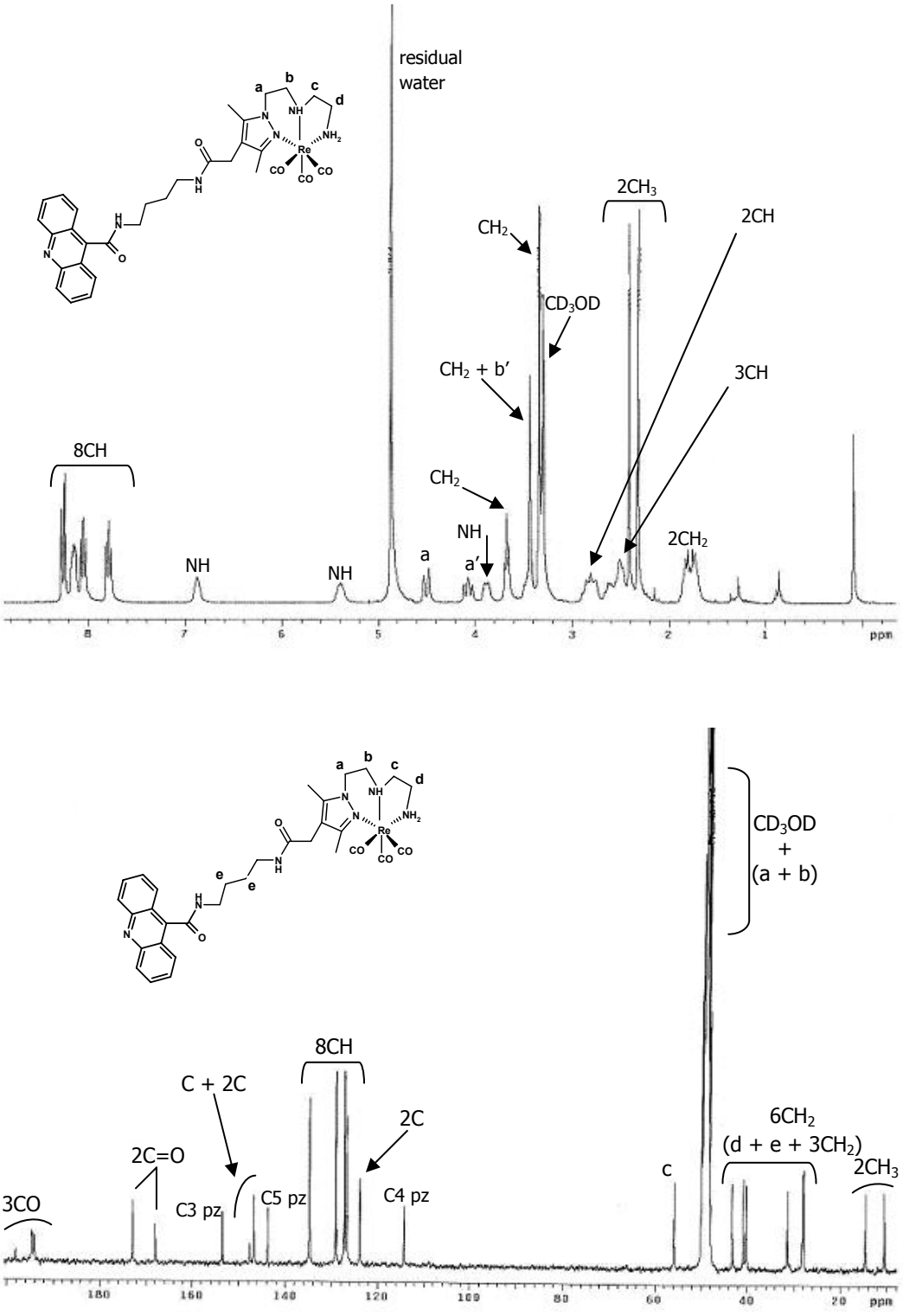
S6 NMR spectra of ligand **L1** in CD_3OD: ^{1}H (top) and ^{13}C (bottom).



S7 NMR spectra of ligand **L2** in CD_3OD: ^{1}H (top) and ^{13}C (bottom).



S8 NMR spectra of complex **Re1** in CD_3OD: ^{1}H (top) and ^{13}C (bottom).



S9 NMR spectra of complex **Re2** in CD_3OD: ^{1}H (top) and ^{13}C (bottom).