Electronic Supplementary Material (ESI) for RSC Advances.

Synthesis, Characterization and Electrochemistry of the Rhodium(III) Complexes of *meso*-Substituted [14]Tribenzotriphyrin(2.1.1)

Zhaoli Xue,[a*] Yemei Wang,[a] John Mack,[b*] Scebi Mkhize,[b] Tebello Nyokong,[b] Yuanyuan Fang,[a] Zhongping Ou[a] and Karl M. Kadish [c*]

[a]*School of Chemistry and Chemical Engineering, Jiangsu University, Zhenjiang 212013, China*
[b]*Department of Chemistry, Rhodes University Grahamstown 6140, South Africa*
[c]Department of Chemistry, University of Houston, Houston, Texas 77204-5003, United States

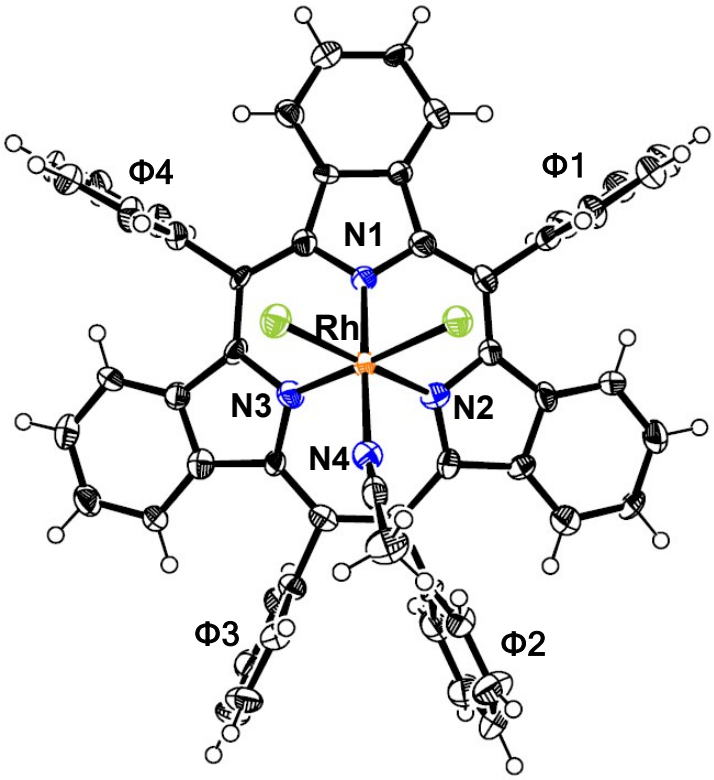

Table S1. Dihedral angles between *meso*-phenyl rings and the triphyrin mean plane (deg)[a].

	2b		**2b**
$\mathbf{\Phi_1}$[a]	88.21	C9-C29	1.502(8)
$\mathbf{\Phi_2}$	78.53	C18-C35	1.498(9)
$\mathbf{\Phi_3}$	86.71	C19-C41	1.500(8)
$\mathbf{\Phi_4}$	85.69	C28-C47	1.501(9)

[a] Angles Φ_i (i = 1, 2, 3, 4) are defined by the dihedral angles between the *meso*–phenyl rings and the triphyrin mean plane.

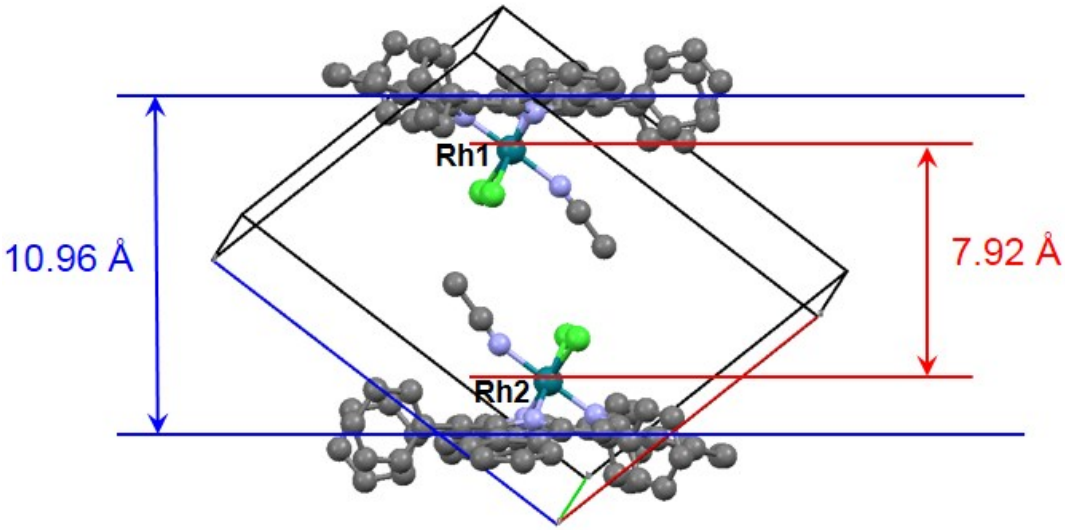

Figure S1. Packing diagram of **2b** and the distance between the two triphyrin mean plan (blue line) and the two Rh(III) ions (red line). The solvent molecules are omitted for clarity.

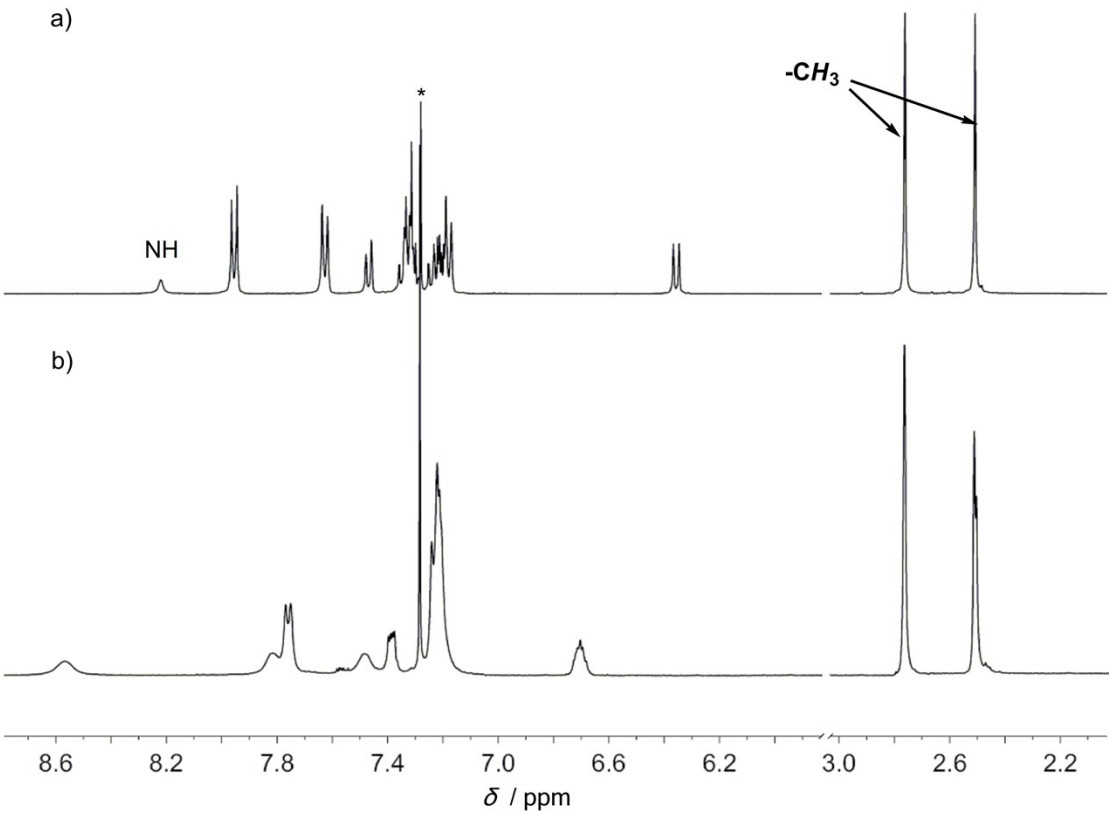

Figure S2. ^{1}H NMR spectra of a) **1a** and b) **2a** in $CDCl_3$. An asterisk is used to denote the presence of a solvent peak.

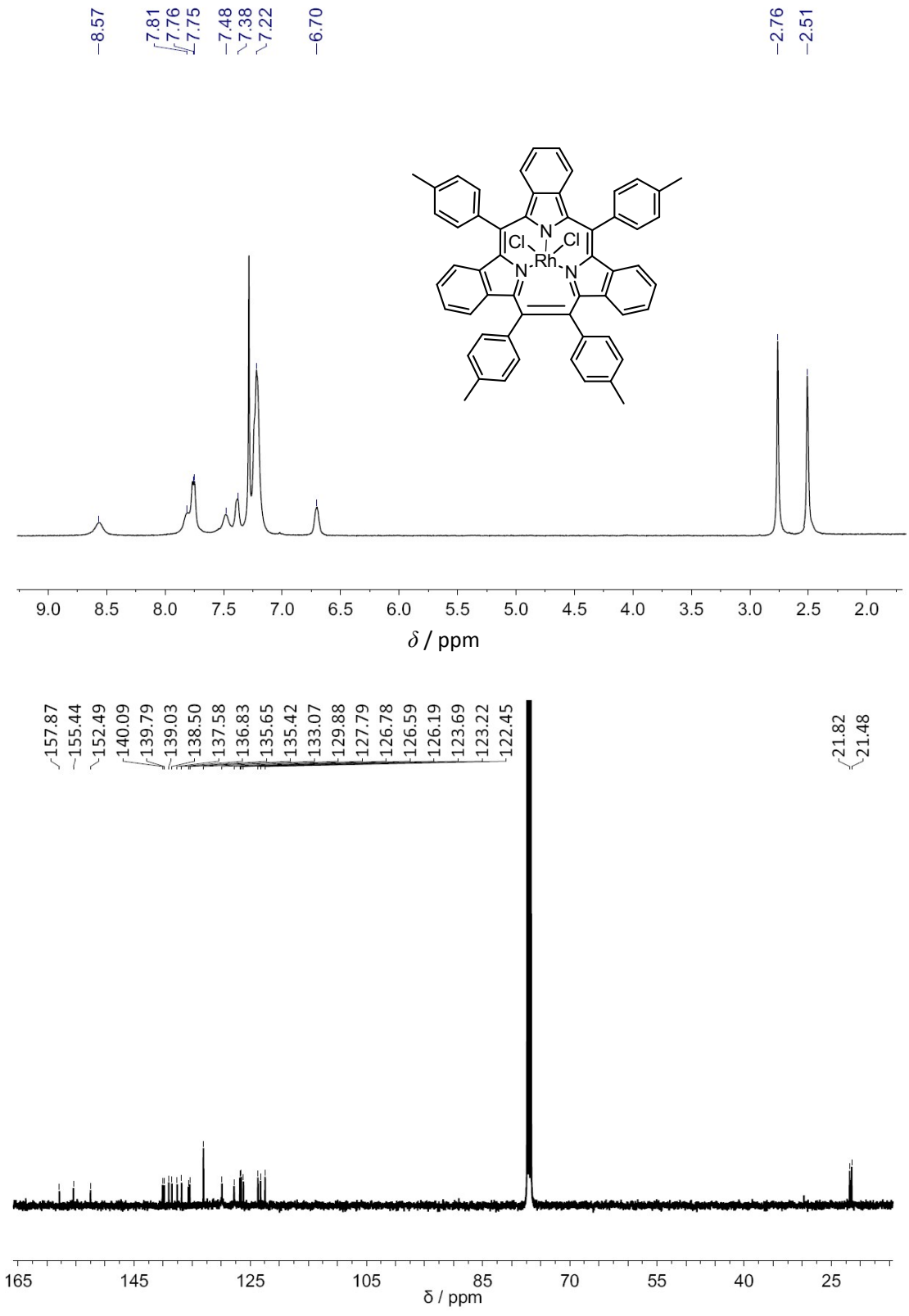

Figure S3. ^{1}H NMR spectra of **2a** in $CDCl_3$ at room temperature.

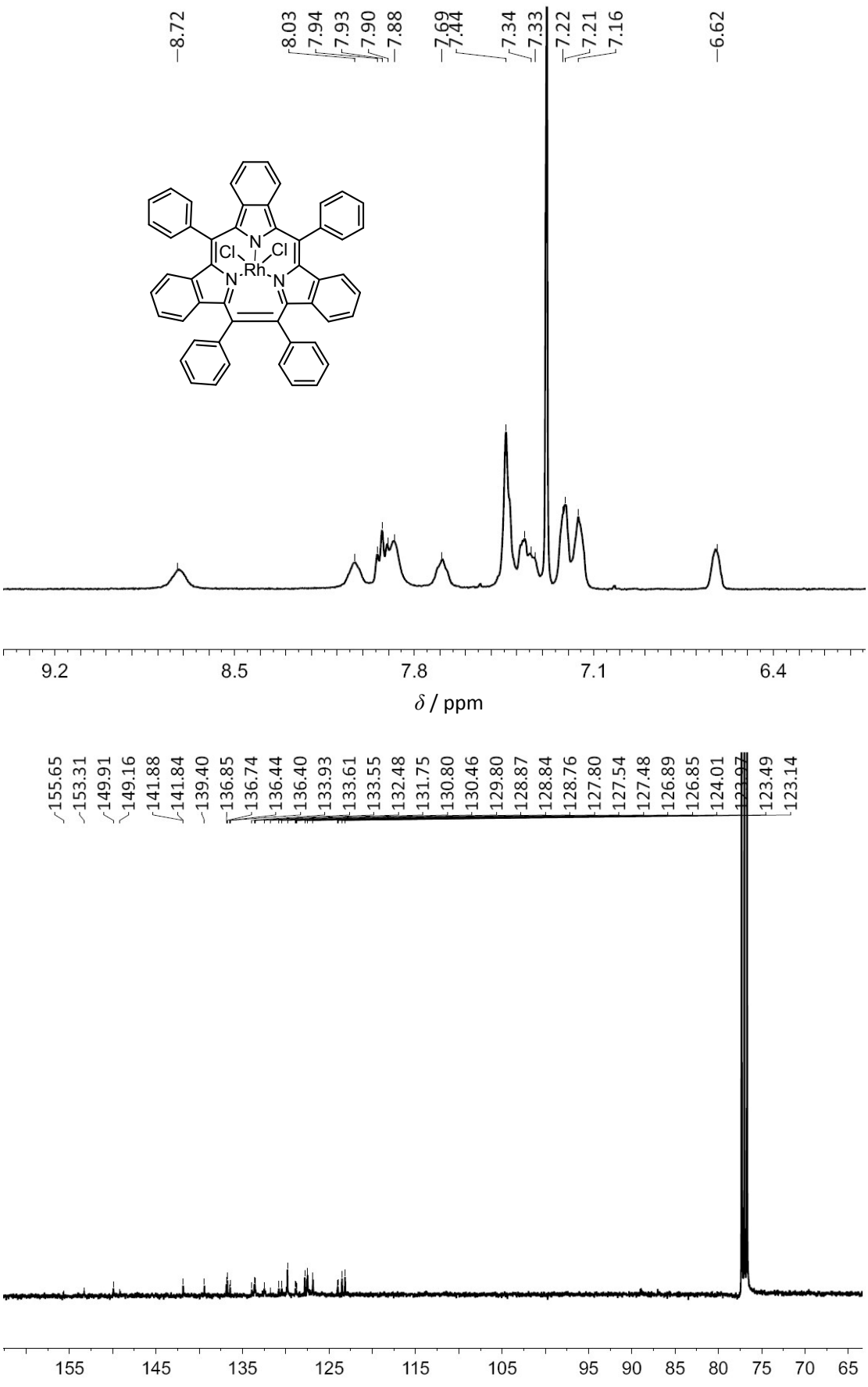

Figure S4. ^{1}H NMR spectra of **2b** in $CDCl_3$ at room temperature.

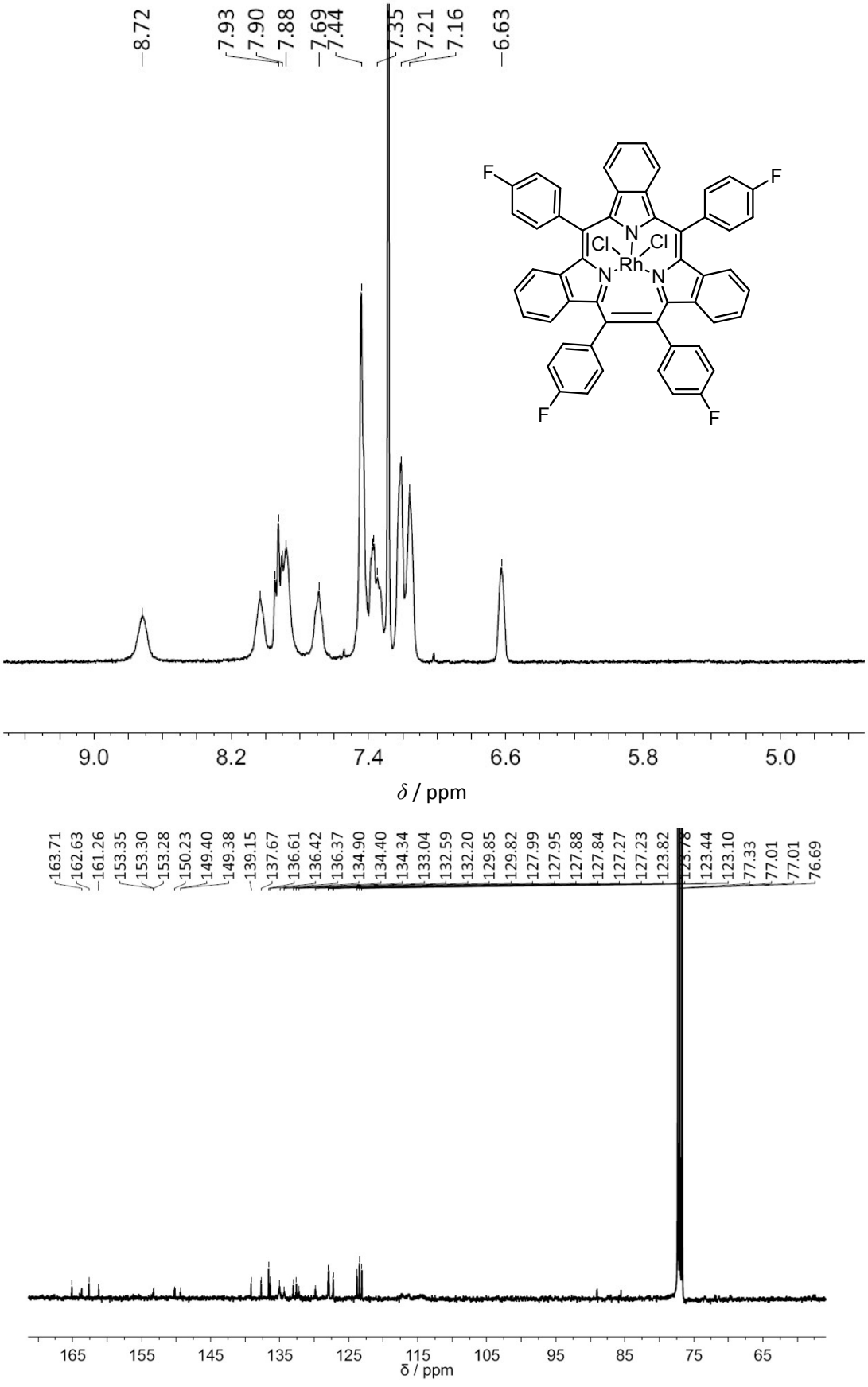

Figure S5. ^{1}H NMR spectra of **2c** in $CDCl_3$ at room temperature.

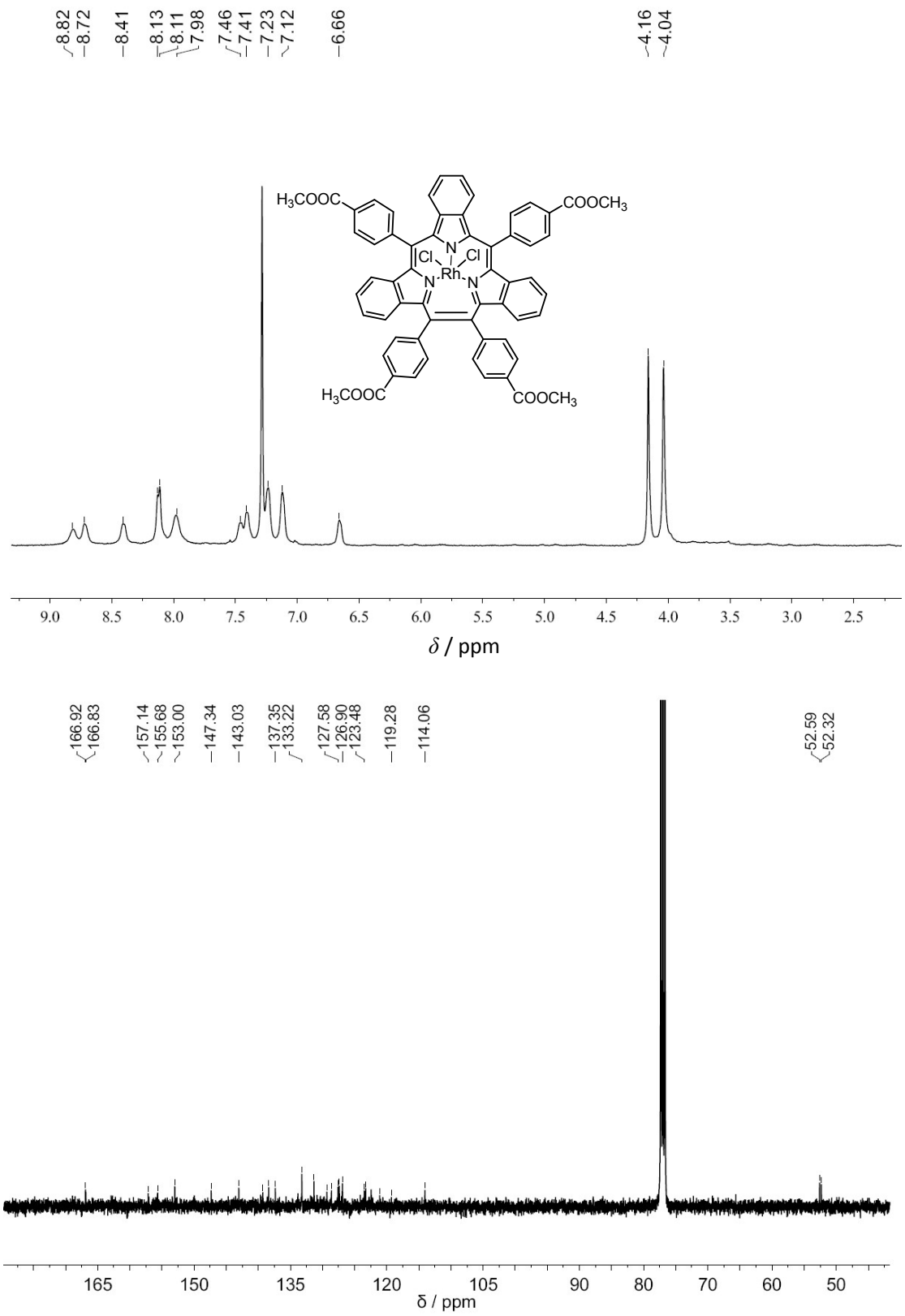

Figure S6. ^{1}H NMR spectra of **2d** in $CDCl_3$ at room temperature.