Two-photon absorption properties and $^1O_2$ generation ability of Ir complexes: unexpected large cross section of [Ir(CO)$_2$Cl(4-(*para*-di-*n*-butylaminostyryl)pyridine)]

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SUPPORTING INFORMATION

NMR Spectra of Complex 1

In Figure S1-S2 is reported the ^{1}H-NMR spectrum.

In Figure S3 is reported the ^{13}C-NMR APT spectrum.

In Figure S4 is reported the HSQC bidimensional spectrum.

NMR Spectra of Complex 3

In Figure S5 is reported the aromatic area of ^{1}H-NMR spectrum.

In Figure S6 is reported the ^{13}C-NMR APT spectrum.

In Figure S7 is reported the aromatic area of COSY bidimensional spectrum.

In Figure S8 is reported the emission spectrum of Complex 1 at 77 K

Figure S1. ^{1}H-NMR spectrum in CD_2Cl_2

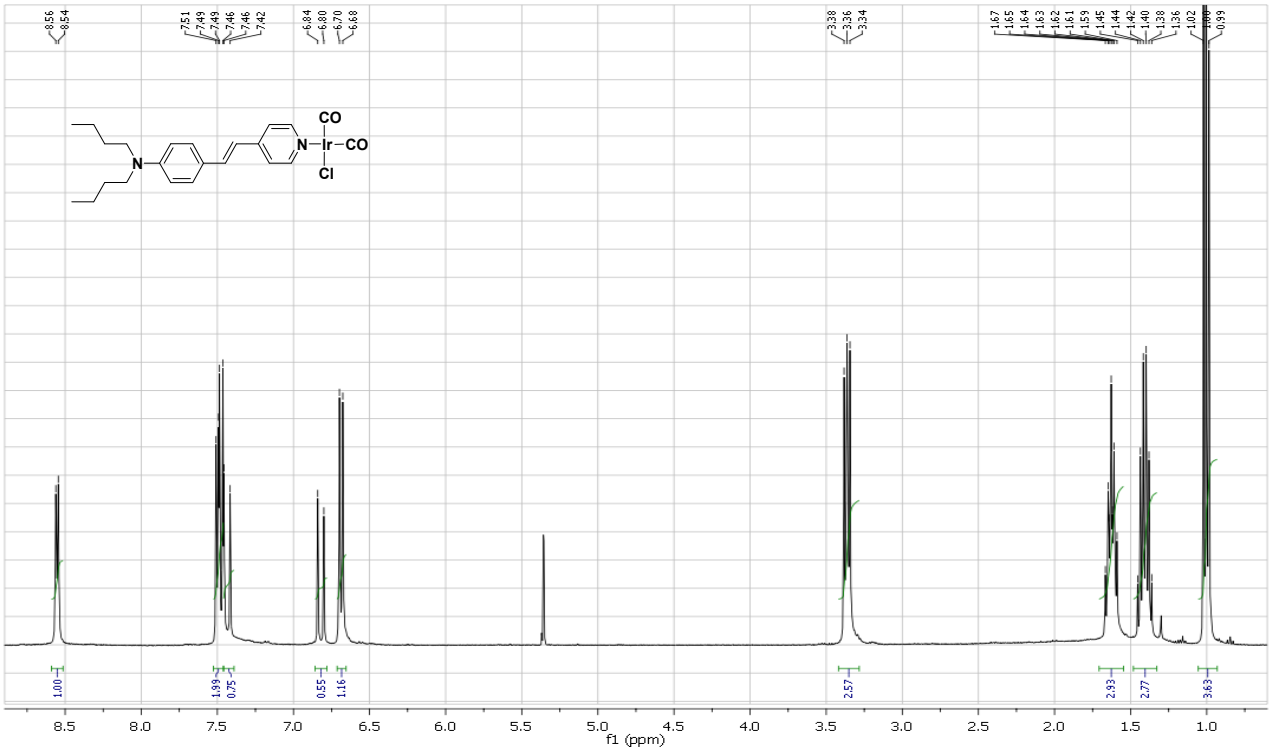

Figure S2. ^{1}H-NMR expansion of aromatic area.

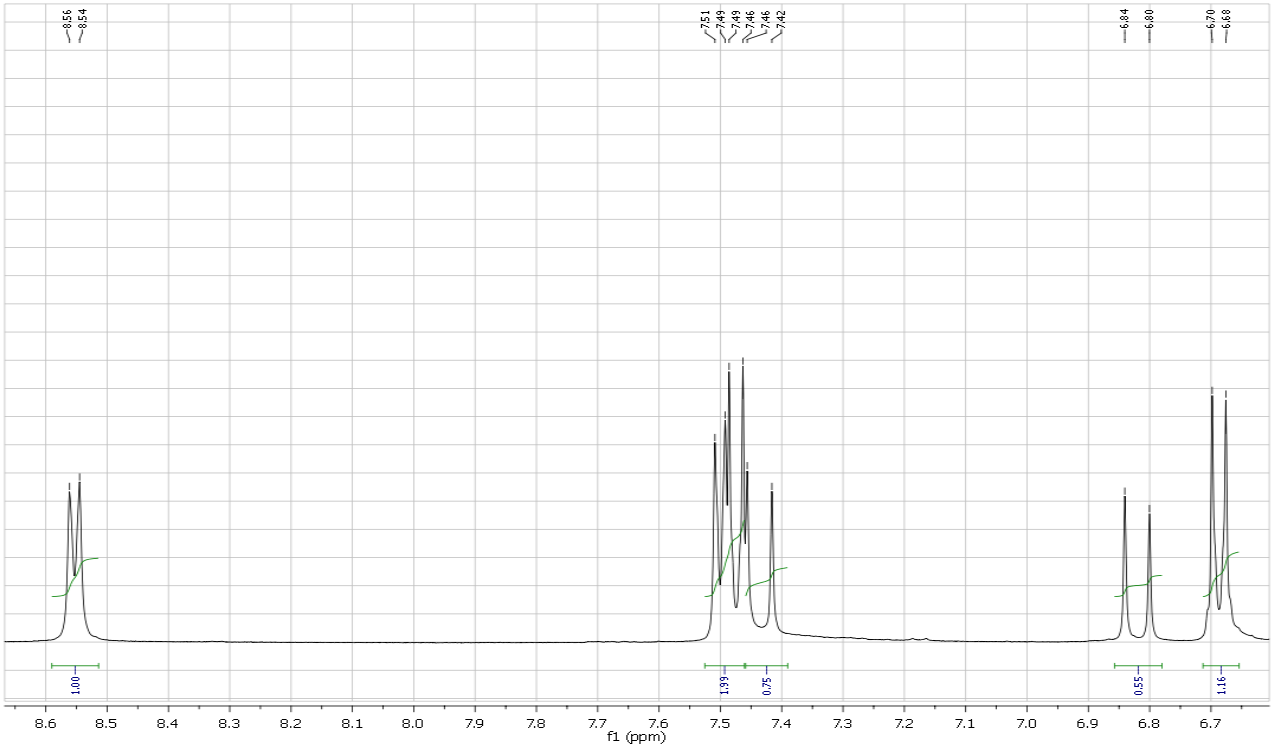

Figure S3. ^{13}C NMR APT spectrum in CD_2Cl_2

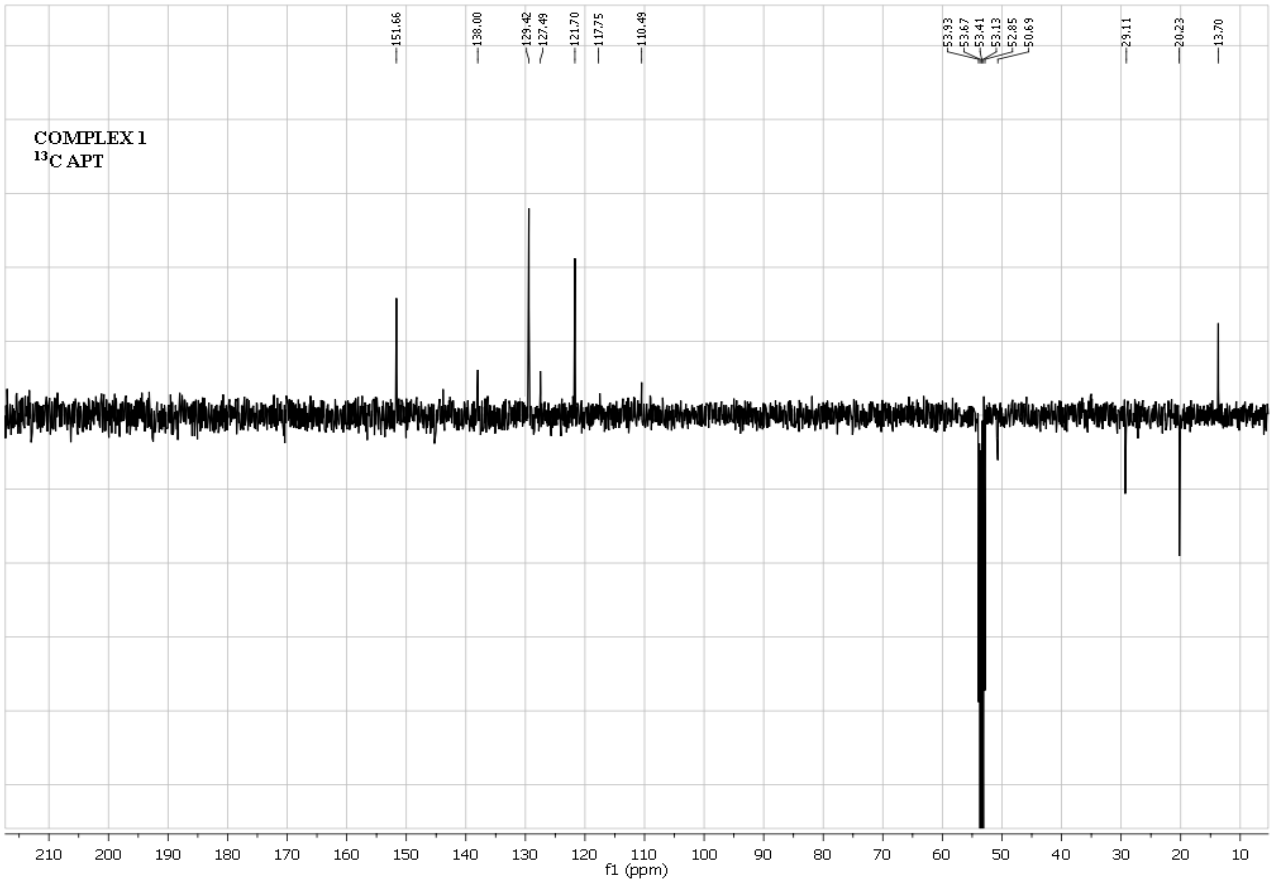

Figure S4. HSQC bidimensional spectrum

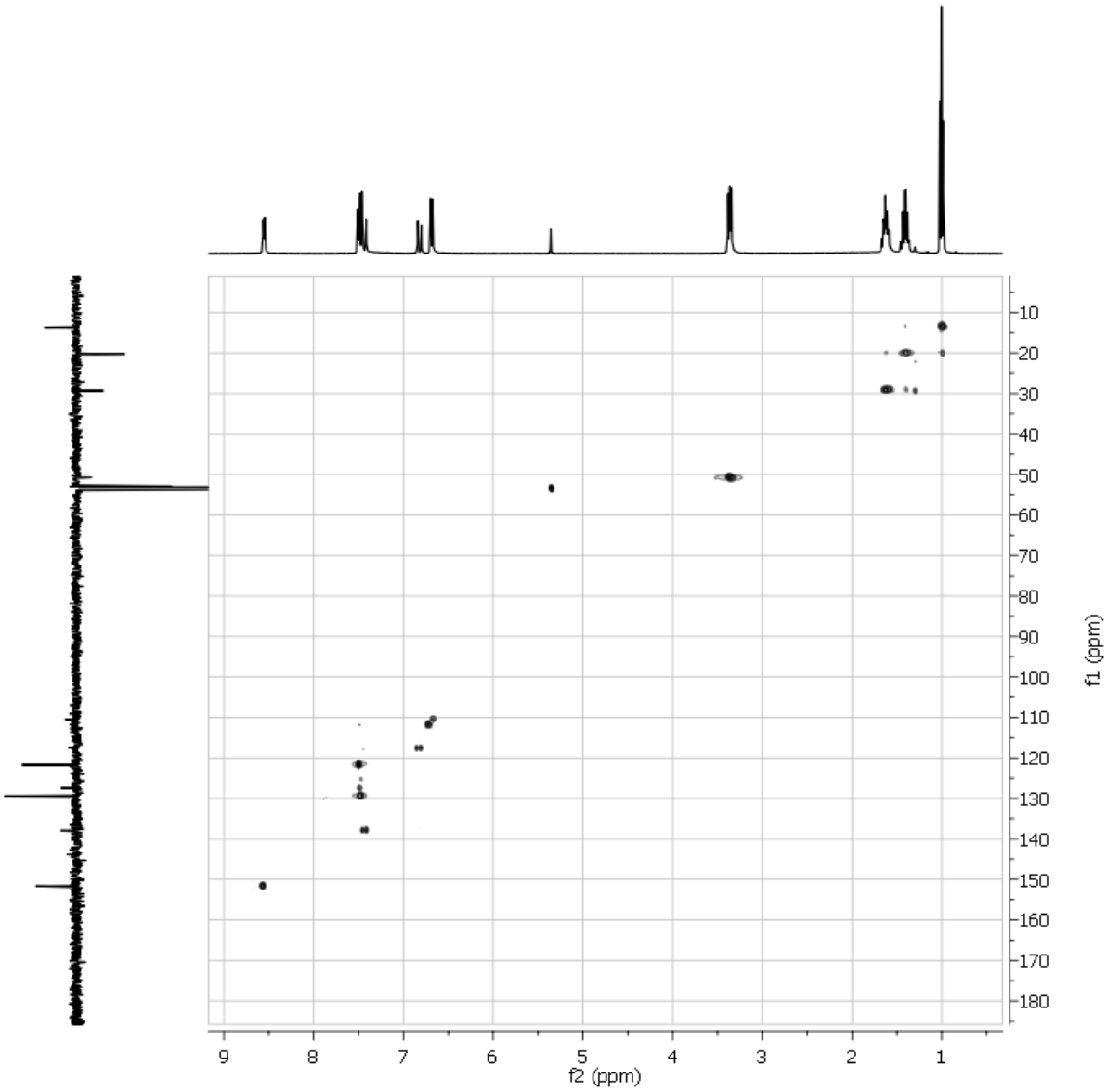

Figure S5. ^{1}H-NMR in CD_2Cl_2, expansion of aromatic area.

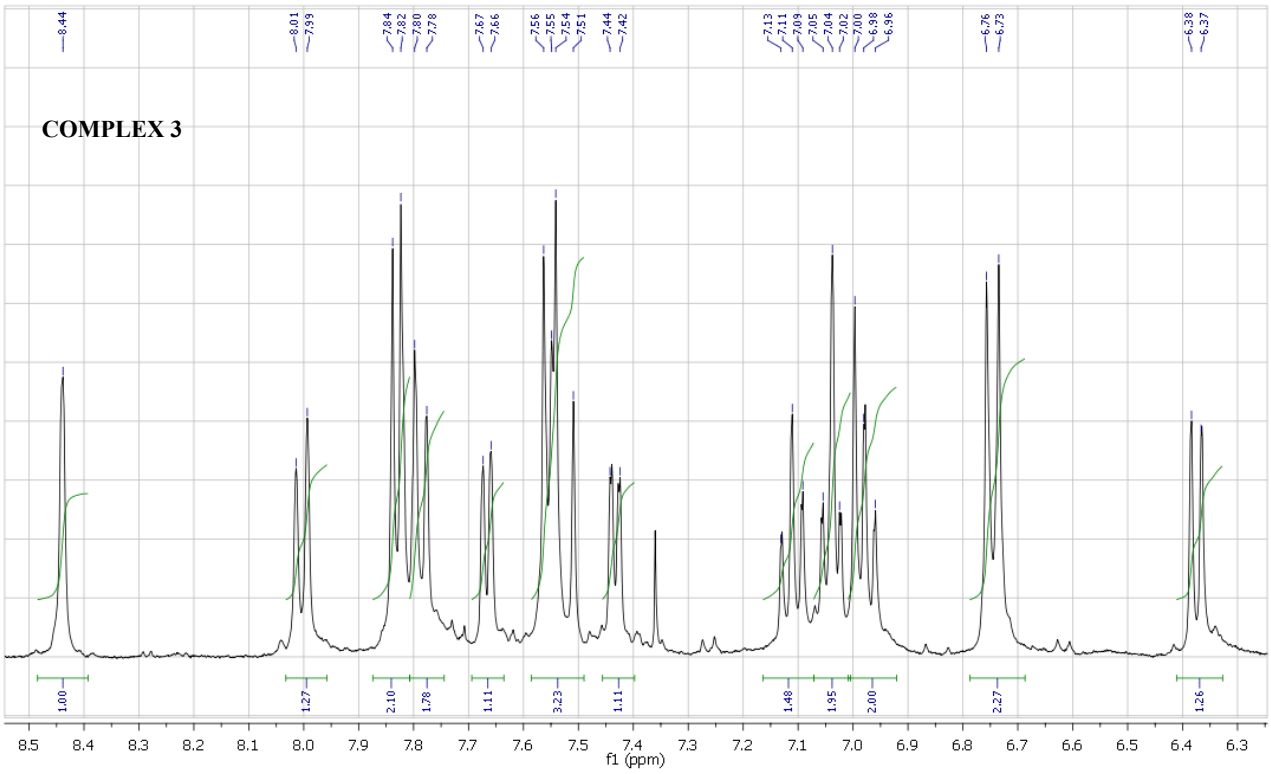

Figure S6. ^{13}C NMR APT spectrum in CD_2Cl_2

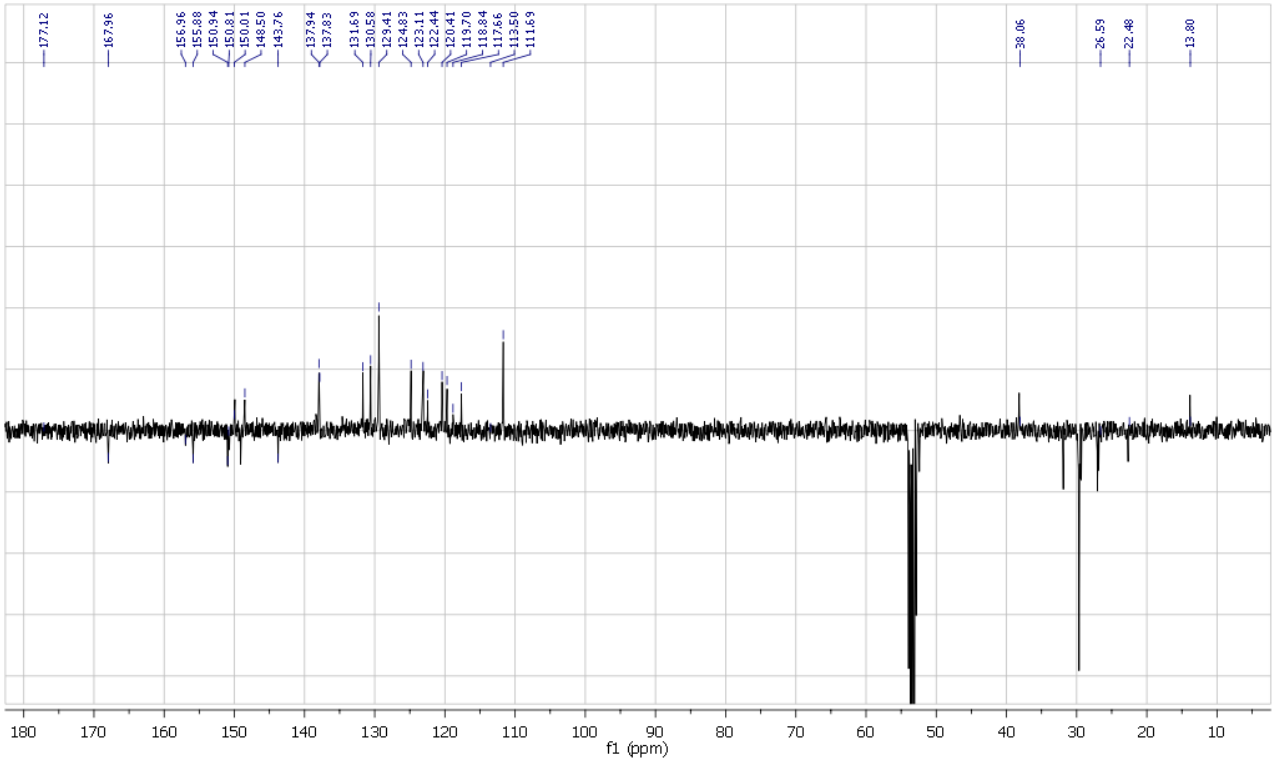

Figure S7. COSY bidimensional spectrum in CD_2Cl_2, expansion of aromatic area

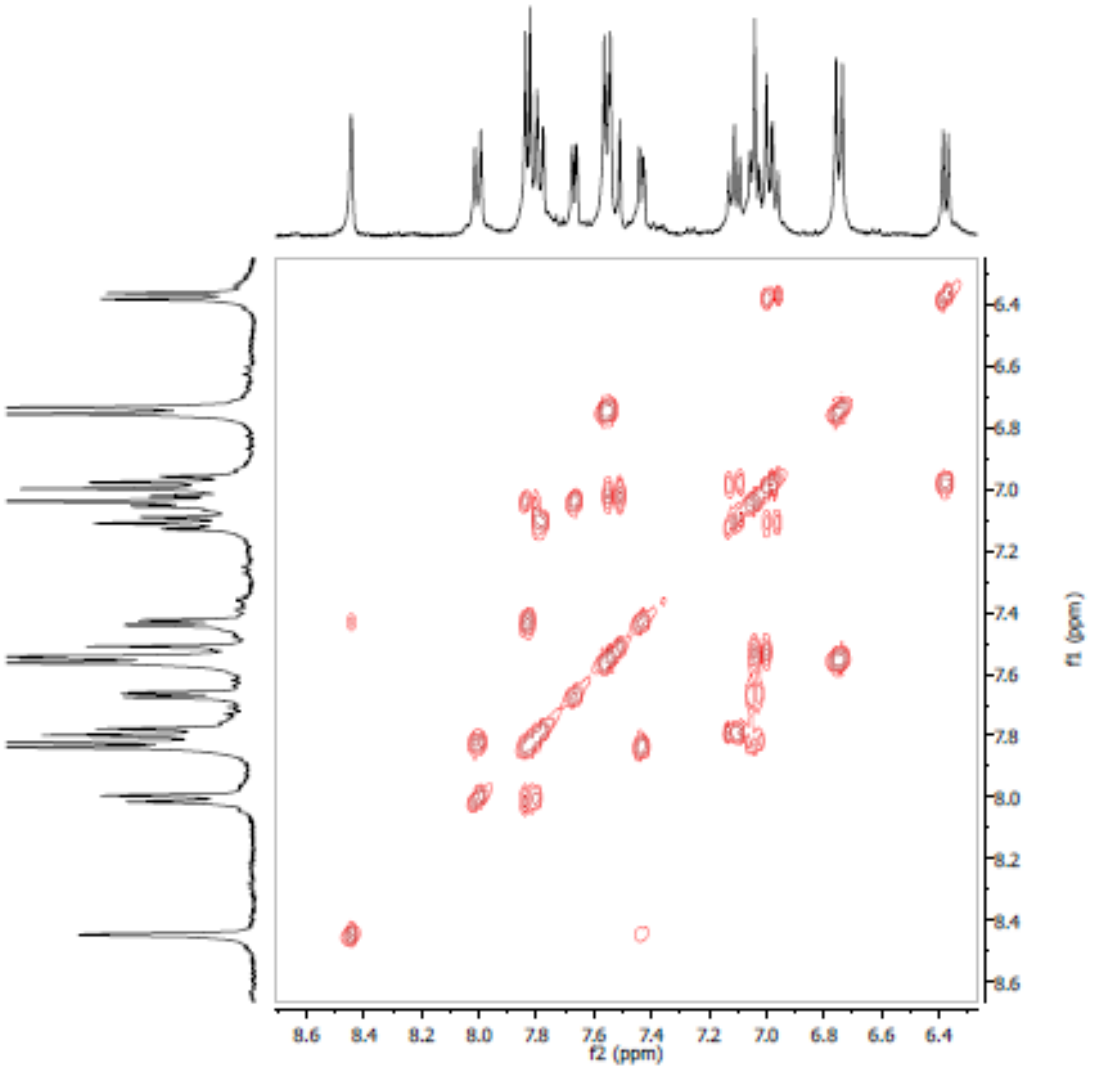

Figure S8. Emission spectrum of complex 1 at 77 K