

## Supplementary Materials

for

CO<sub>2</sub> to CO Electoreduction, electrocatalytic H<sub>2</sub> evolution, and catalytic degradation  
of organic dyes using a Co(II) *meso*-tetraarylporphyrin

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### contents:

**Figure S1.** FT-IR spectrum of [Co(TMFPF)].

**Figure S2.** <sup>1</sup>H NMR spectrum of [Co(TMFPF)] (C ~10<sup>-3</sup> M) in CDCl<sub>3</sub> at room temperature.

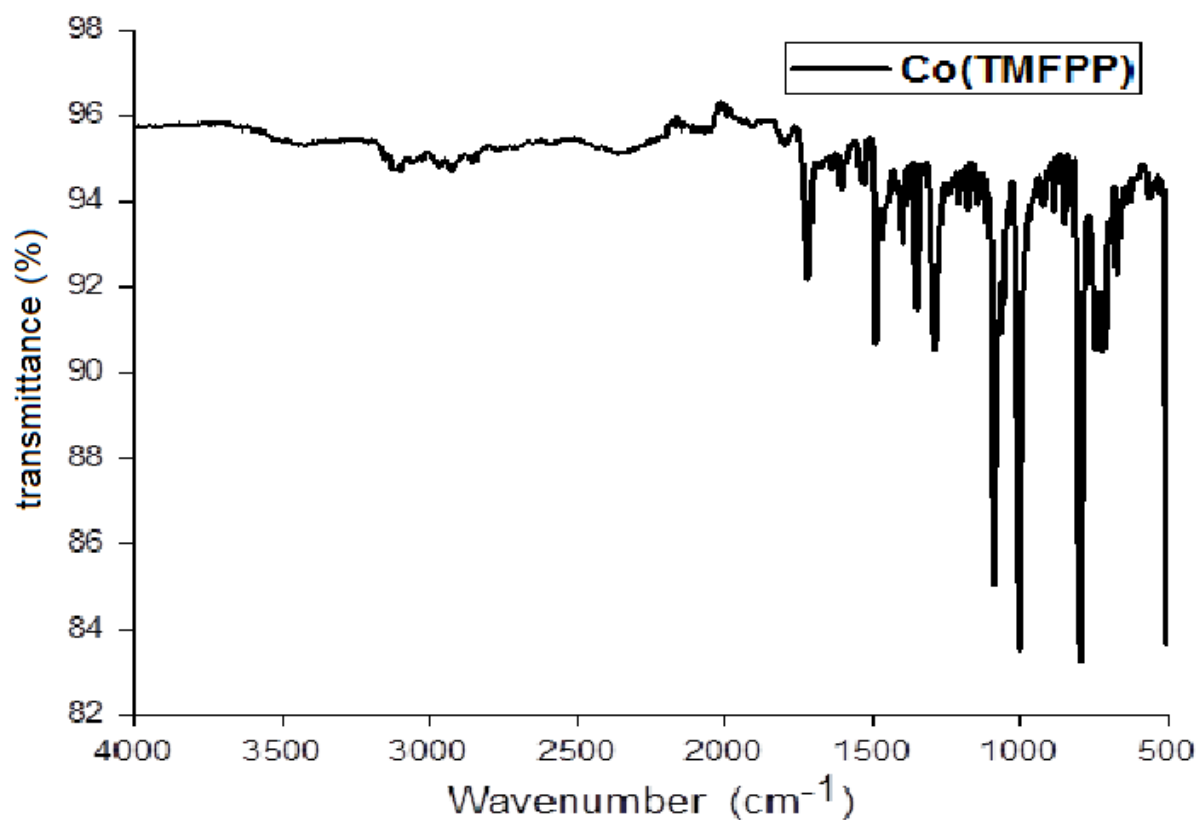


Figure S1. FT-IR spectrum of a solid sample of [Co(TMFPF)].

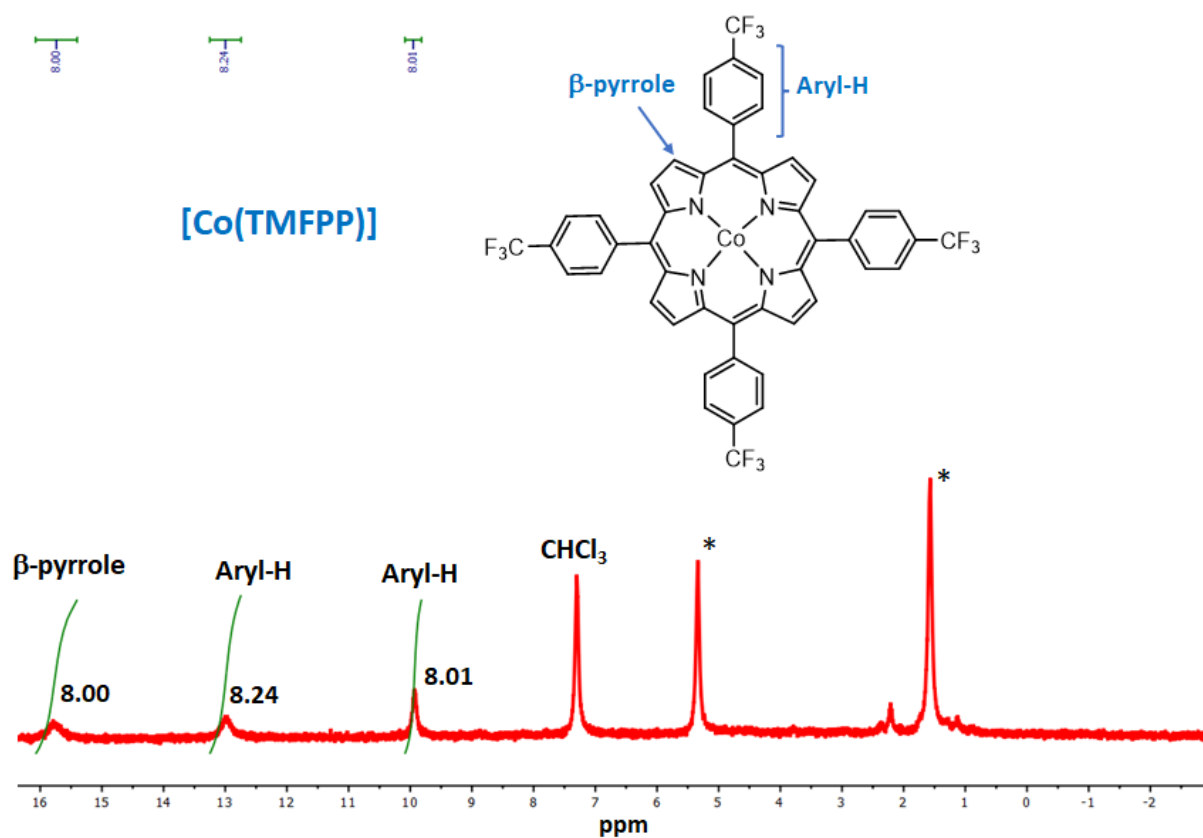


Figure S2.  $^1\text{H}$  NMR spectrum of [Co(TMFPF)] ( $C \sim 10^{-3}$  M) in  $\text{CDCl}_3$  at room temperature.