

# 100 % Selective Oxygenation of *p*-Xylene to *p*-Tolualdehyde via Photoinduced Electron Transfer

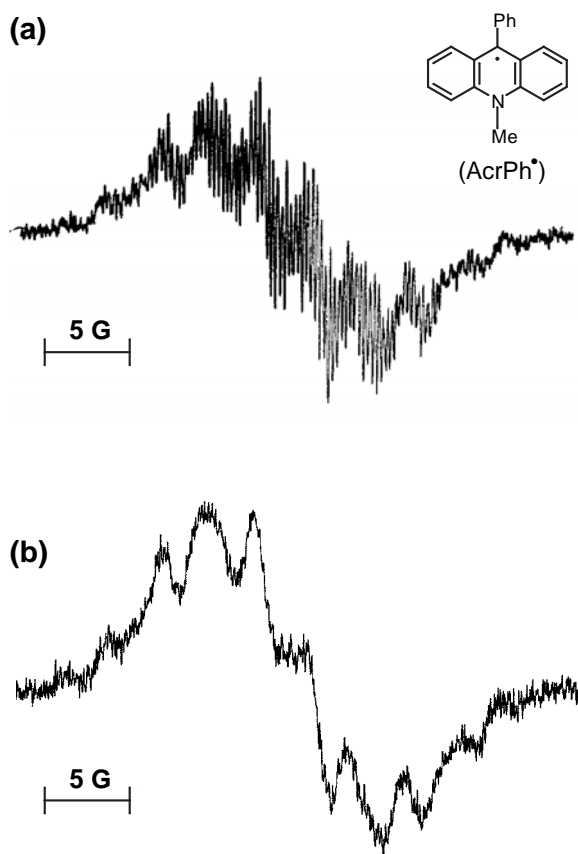
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## Supporting Information

**Figure S1.** ESR spectra of AcrPh<sup>•</sup> in deaerated chloroform at 298 K. [AcrPh<sup>+</sup>] = (a)  $7.5 \times 10^{-4}$  M (b)  $1.2 \times 10^{-3}$  M.



**Figure S2.** Plot of  $\Delta H_{\text{msl}}$  vs the concentration of AcrPh<sup>+</sup> ([AcrPh<sup>+</sup>]).

