

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

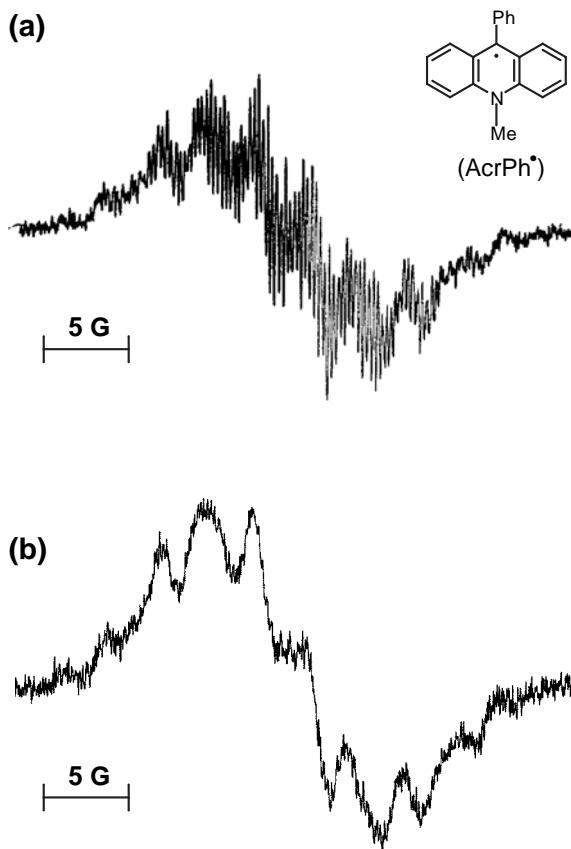
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## Supporting Information

**Figure S1.** ESR spectra of  $\text{AcrPh}^{\cdot}$  in deaerated chloroform at 298 K.  $[\text{AcrPh}^{\cdot}] =$  (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  $\text{AcrPh}^+$  ( $[\text{AcrPh}^+]$ ).

