A phosphonic acid anchoring analogue of the sensitizer P1 for p-type dye-sensitized solar cells

Y. Maximilian Klein,[a] Nathalie Marinakis,[a] Edwin C. Constable[a] and Catherine E. Housecroft*[a]

[a]Department of Chemistry, University Basel, BPR 1096, Mattenstrasse 24a, CH-4058 Basel, Switzerland. E-mail: catherine.housecroft@unibas.ch

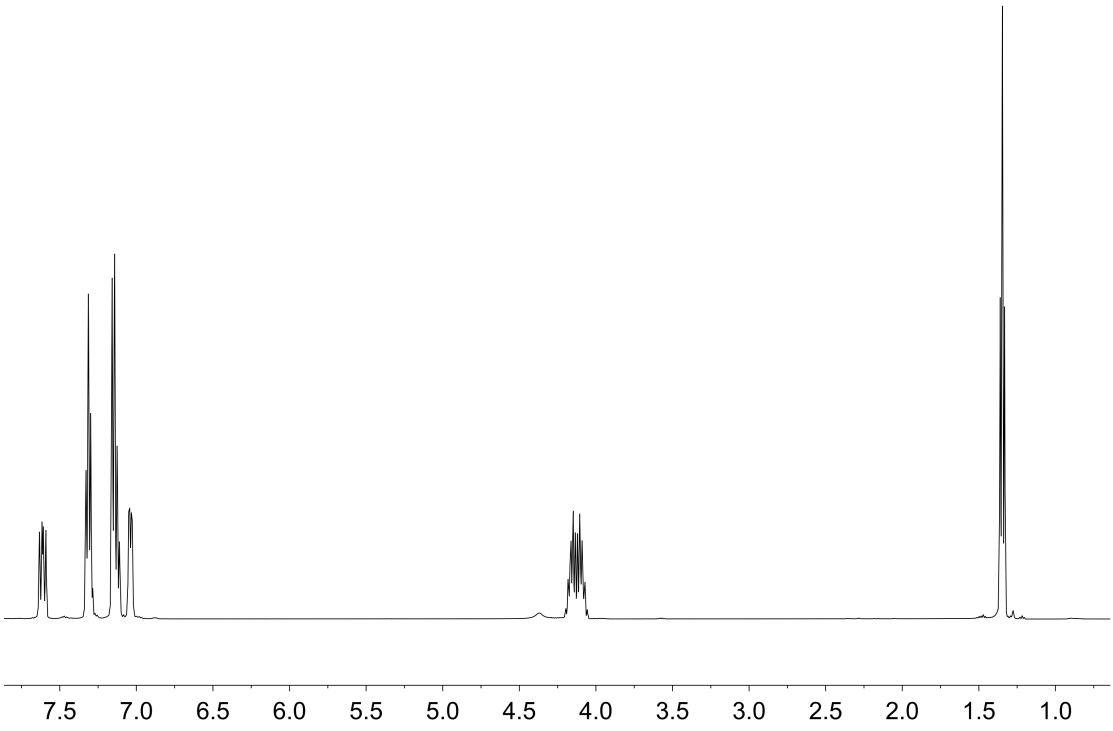

Fig. S1. ^{1}H NMR spectrum (500 MHz, $CDCl_3$) of compound **1**.

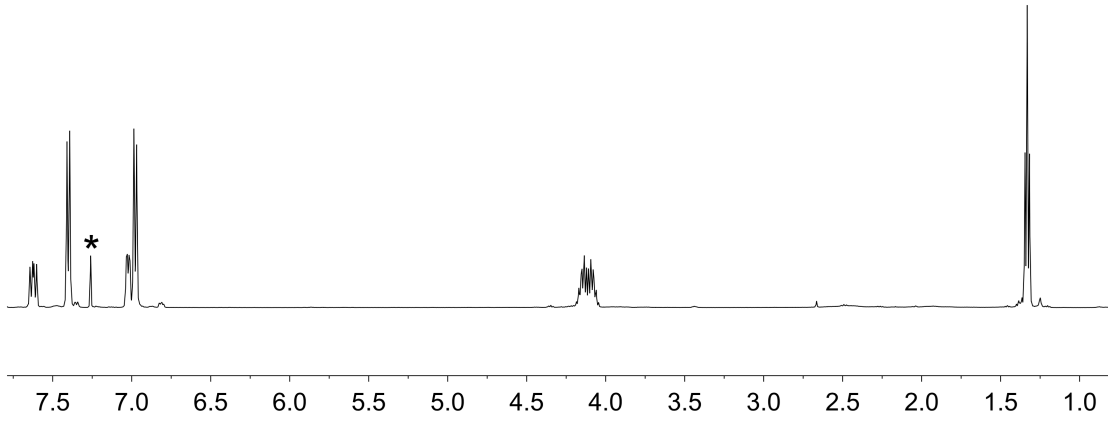

Fig. S2. ^{1}H NMR spectrum (500 MHz, $CDCl_3$) of compound **2**. * = residual $CHCl_3$.

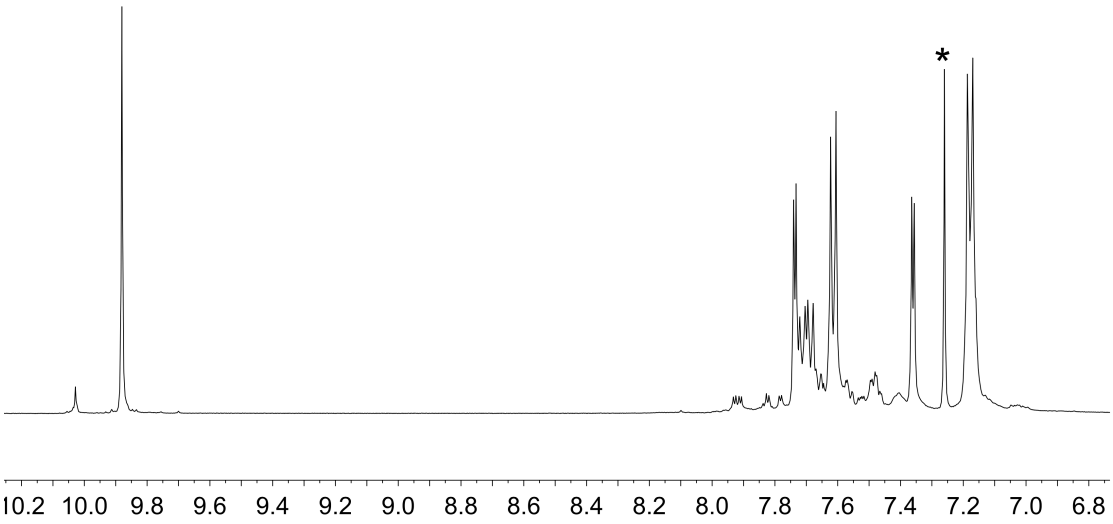

Fig. S3. Aromatic region of the ^{1}H NMR spectrum (500 MHz, $CDCl_3$) of compound **3**. * = residual $CHCl_3$.

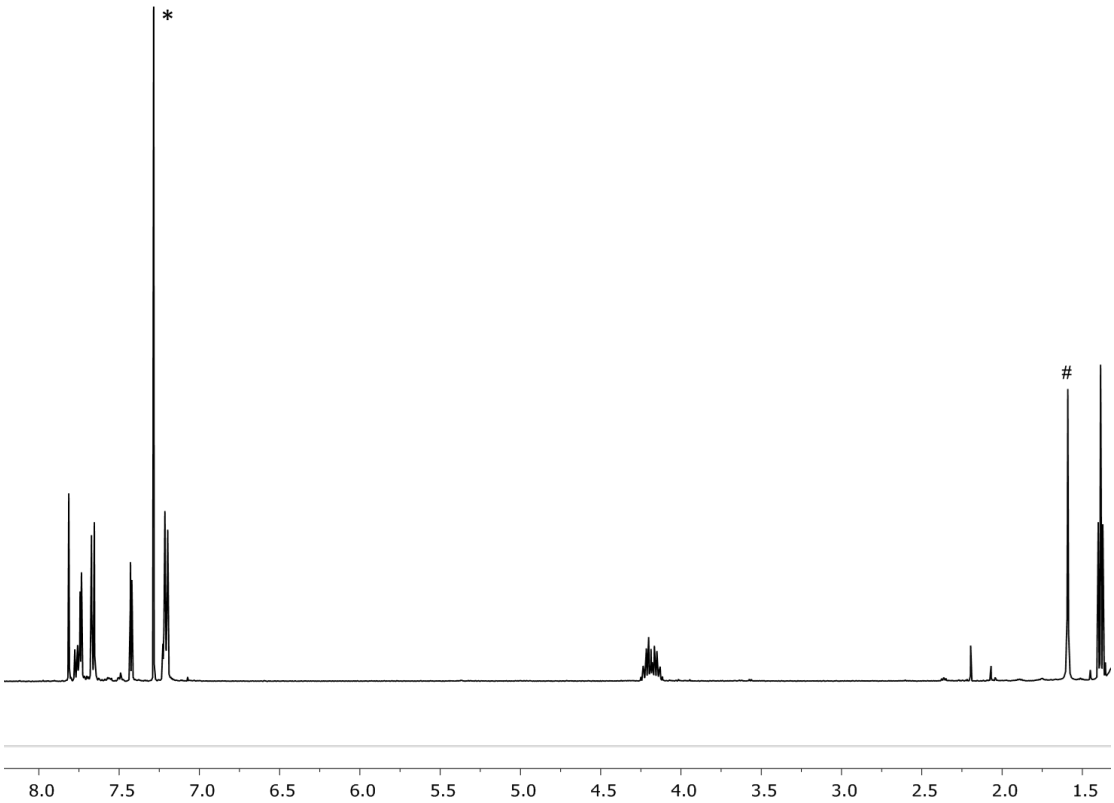

Fig. S4. ^{1}H NMR spectrum (500 MHz, $CDCl_3$) of compound **4**. * = residual $CHCl_3$, # = H_2O.

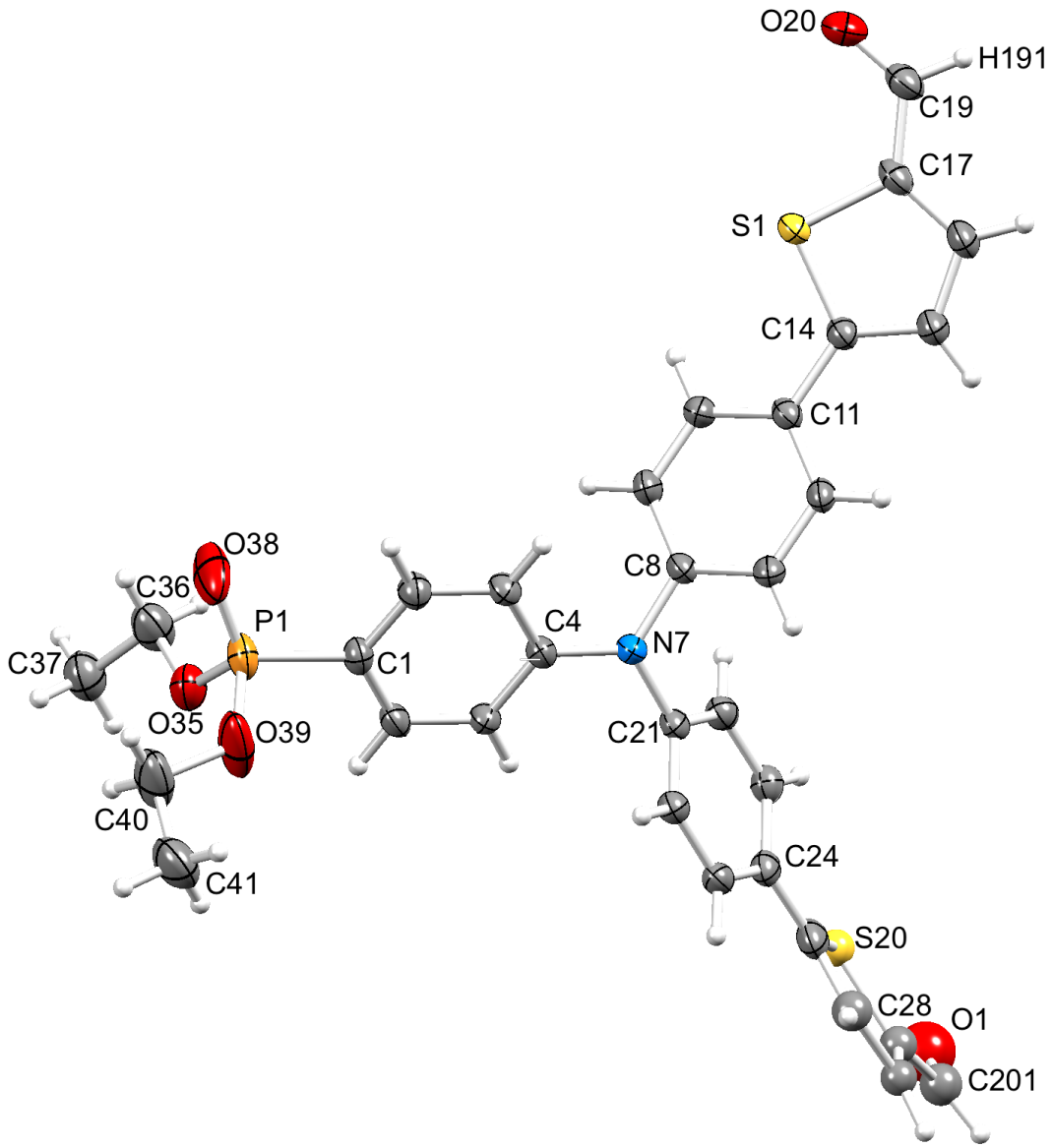

Fig. S5. ORTEP-style plot of compound **3** with ellipsoids are plotted at a 40% probability level.