Electronic supplementary information to accompany:

Modular synthesis of simple cycloruthenated complexes with state-of-the-art performance in p-type DSCs

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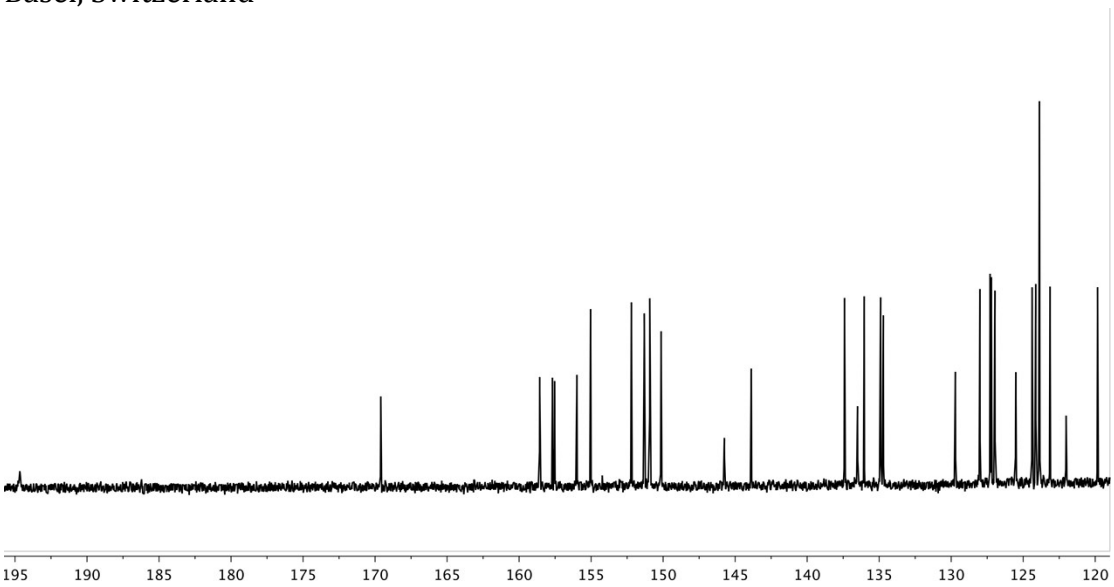
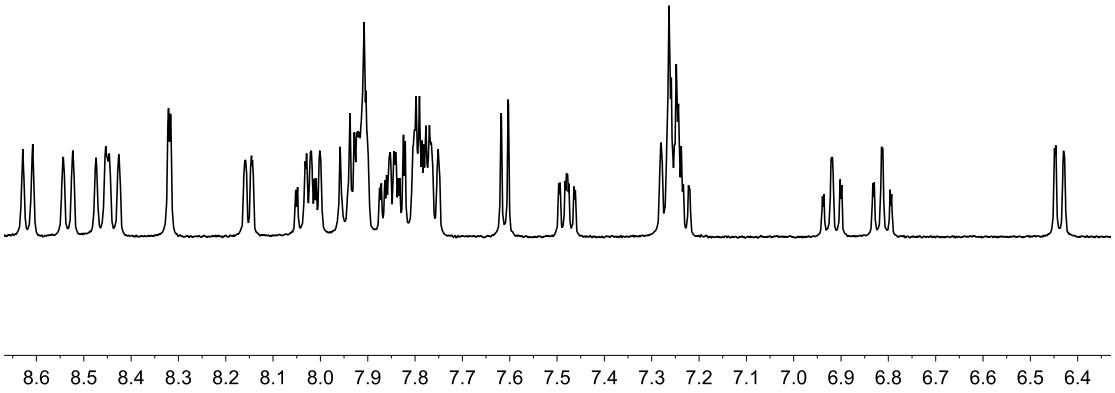
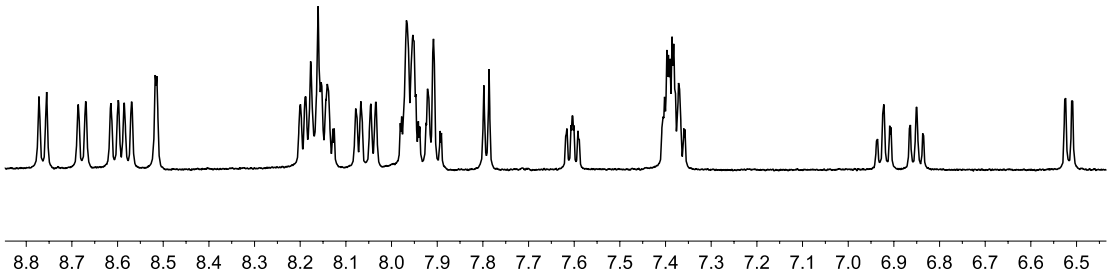


Fig. S1. $^{13}C\{^{1}H\}$ NMR (126 MHz) spectrum of $[Ru(bpy)_2(\mathbf{1})][PF_6]$ in CD_3CN (295 K).



(a)



(b)

Fig. S2. ^{1}H NMR spectra of (a) [Ru(bpy)$_2$(**5**)] (400 MHz, CD_3OD, 295 K) and (b) [Ru(bpy)$_2$(**6**)][PF_6] (500 MHz, acetone-d_6, 295 K).

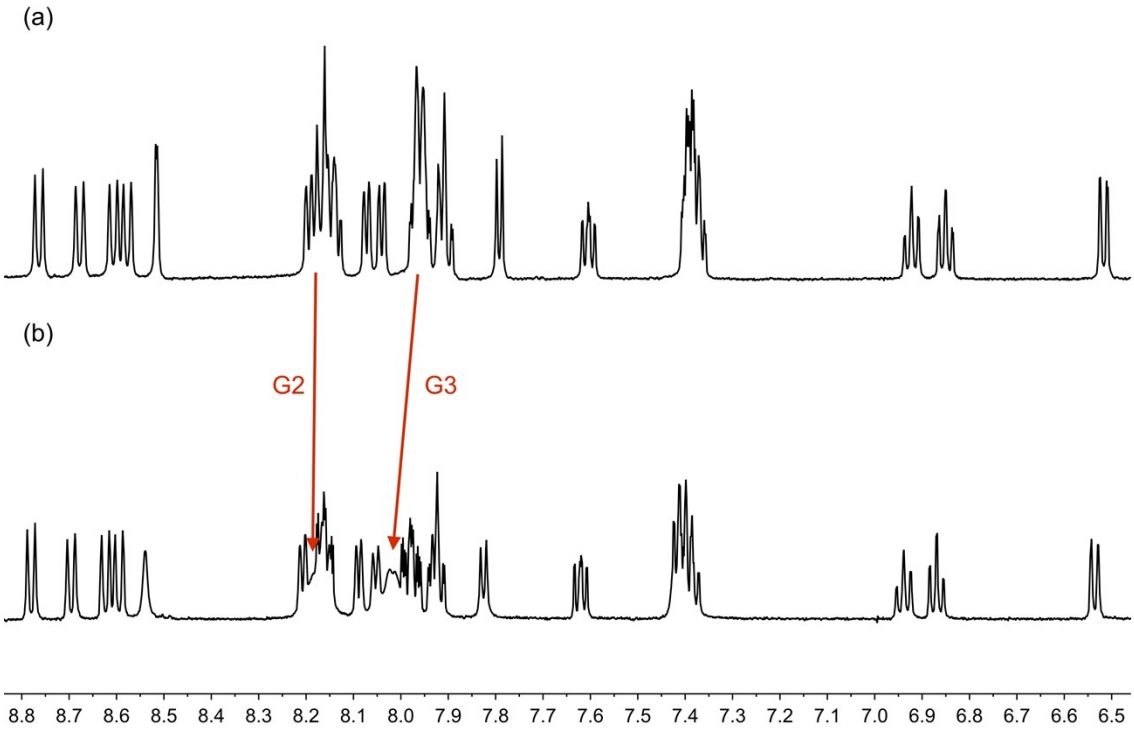


Fig. S3. Comparison of the ^{1}H NMR spectra (500 MHz, acetone-d_6, 295 K) (a) of a freshly dissolved sample of [Ru(bpy)$_2$(**6**)][PF_6] and (b) after standing in acetone-d_6 solution for 3 days. Signals for the G ring to which the CO_2H group is attached, broaden and shift.