Ruthenium metathesis catalysts containing chelating aryloxy ligands

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SUPPORTING INFORMATION:

Contents:

1. Spectra for RuXX'(IMes)(py)(=CHPh) (**5**: XX' = 3,5-dichloro-2-oxidobenzenesulfonate)
 - a. ^1H NMR spectrum (500 MHz, C_6D_6)
 - b. ^1H - ^{13}C HMQC NMR (500 MHz, C_6D_6)
 - c. ^1H - ^{13}C HMBC NMR (500 MHz, C_6D_6)
2. Spectra for Ru(*o*-O₂C₆H₄)(IMes)(py)(=CHPh) (**6**)
 - a. ^1H NMR spectrum (300 MHz, CDCl_3)
 - b. ^{13}C NMR spectrum (75 MHz, CDCl_3)

1a. ^1H NMR spectrum of **5** (500 MHz, C_6D_6)

1b. ^1H - ^{13}C HMQC spectrum of **5 (500 MHz, C_6D_6).** ^{13}C NMR signals are inferred from the projection of the cross-peaks; see text. Asterisk denotes solvent impurity.

1c. ^1H - ^{13}C HMBC spectrum of 5 (500 MHz, C_6D_6). For convenience, the F1 trace is given as the projection of the cross-peaks. ^{13}C NMR signals are inferred from the projection of the cross-peaks; see text.

2a. ^1H NMR spectrum of **6** (300 MHz, CDCl_3).

2b. $^{13}\text{C}\{^1\text{H}\}$ NMR spectrum of 6 (75 MHz, CDCl_3)