

Appendix 1

NMR Spectra Relevant to Chapter 2

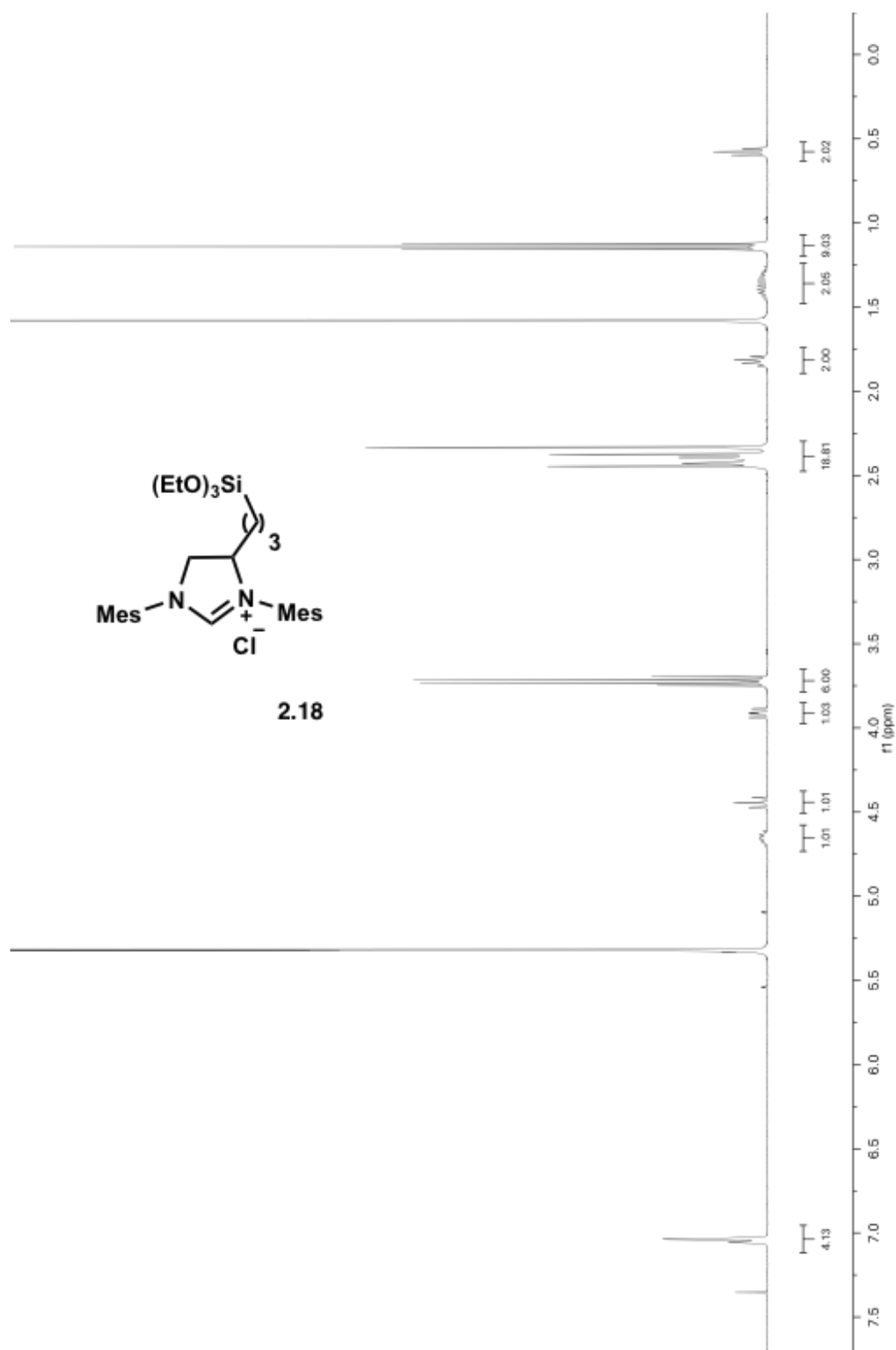


Figure A.1 | ^1H NMR spectrum for **2.18**

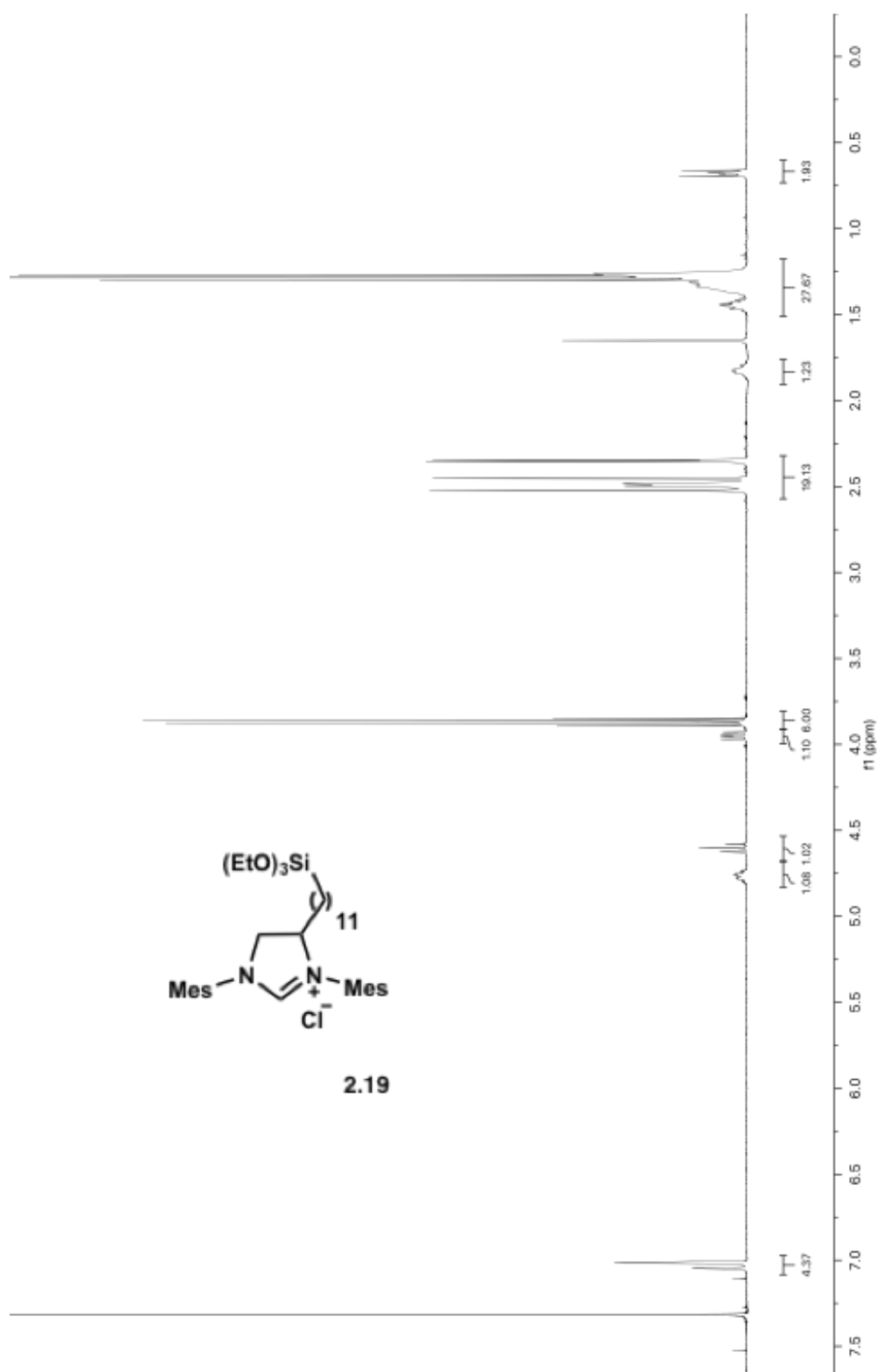


Figure A.2 | ^1H NMR spectrum for **2.19**

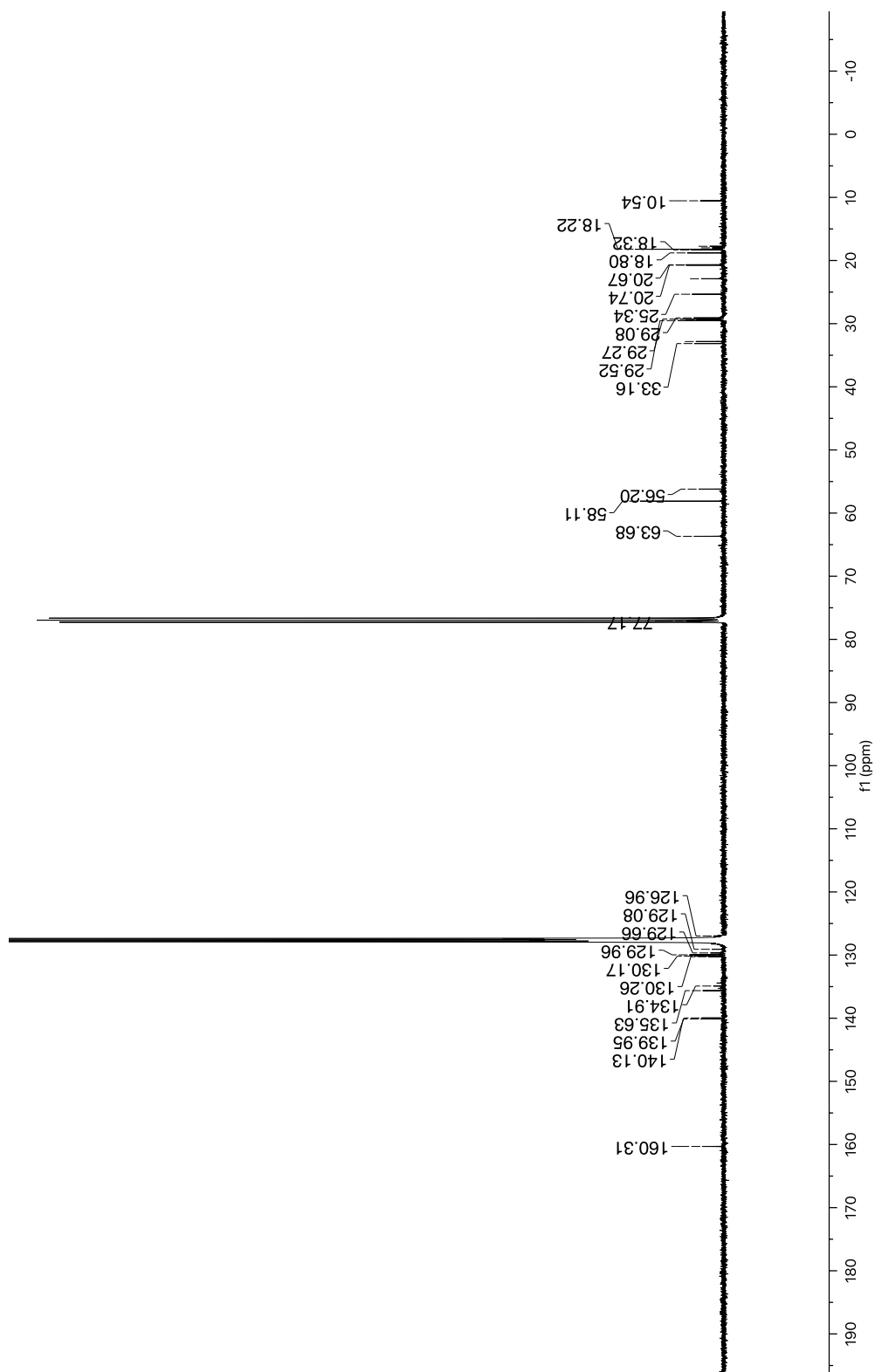


Figure A.3 | ¹³C NMR spectrum for 2.19

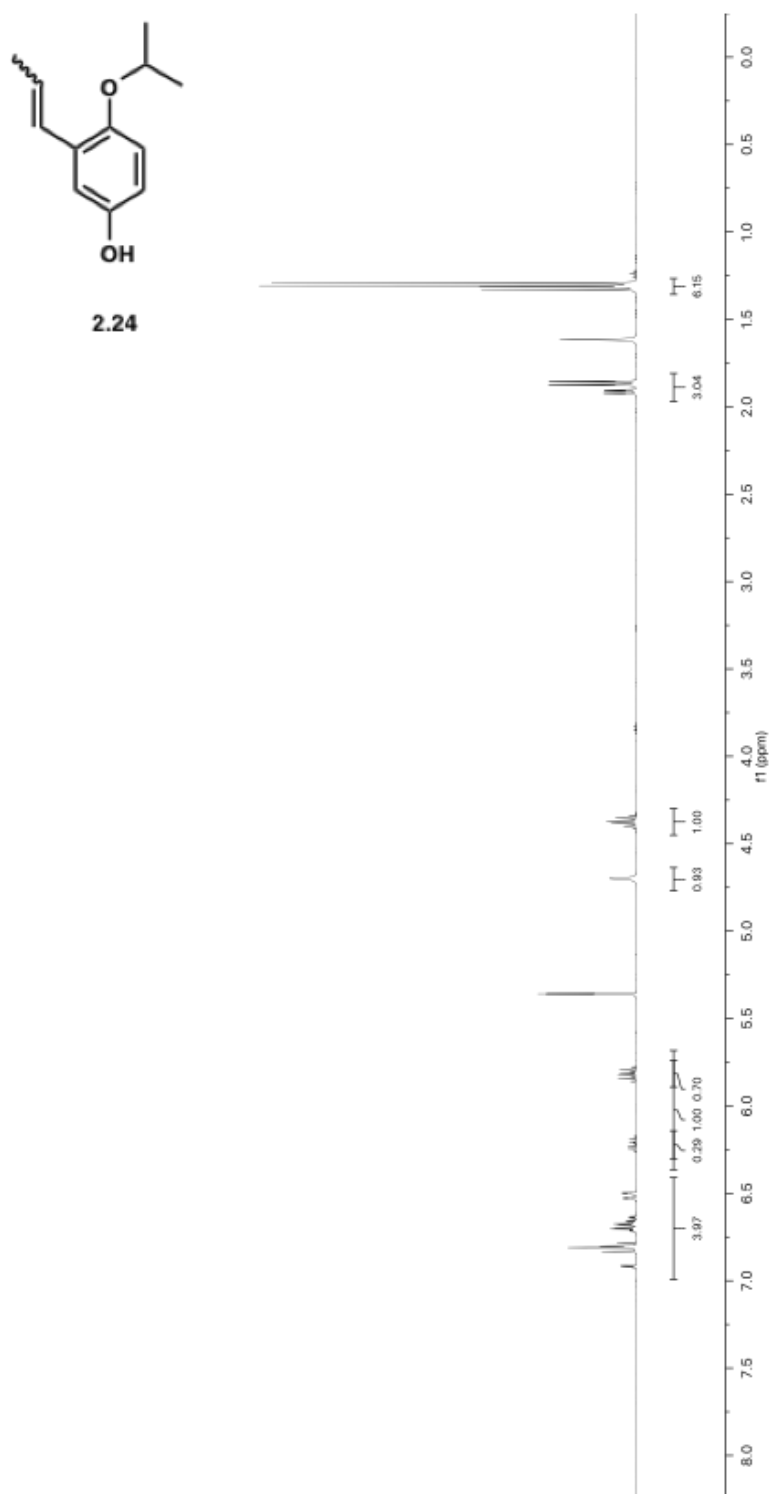
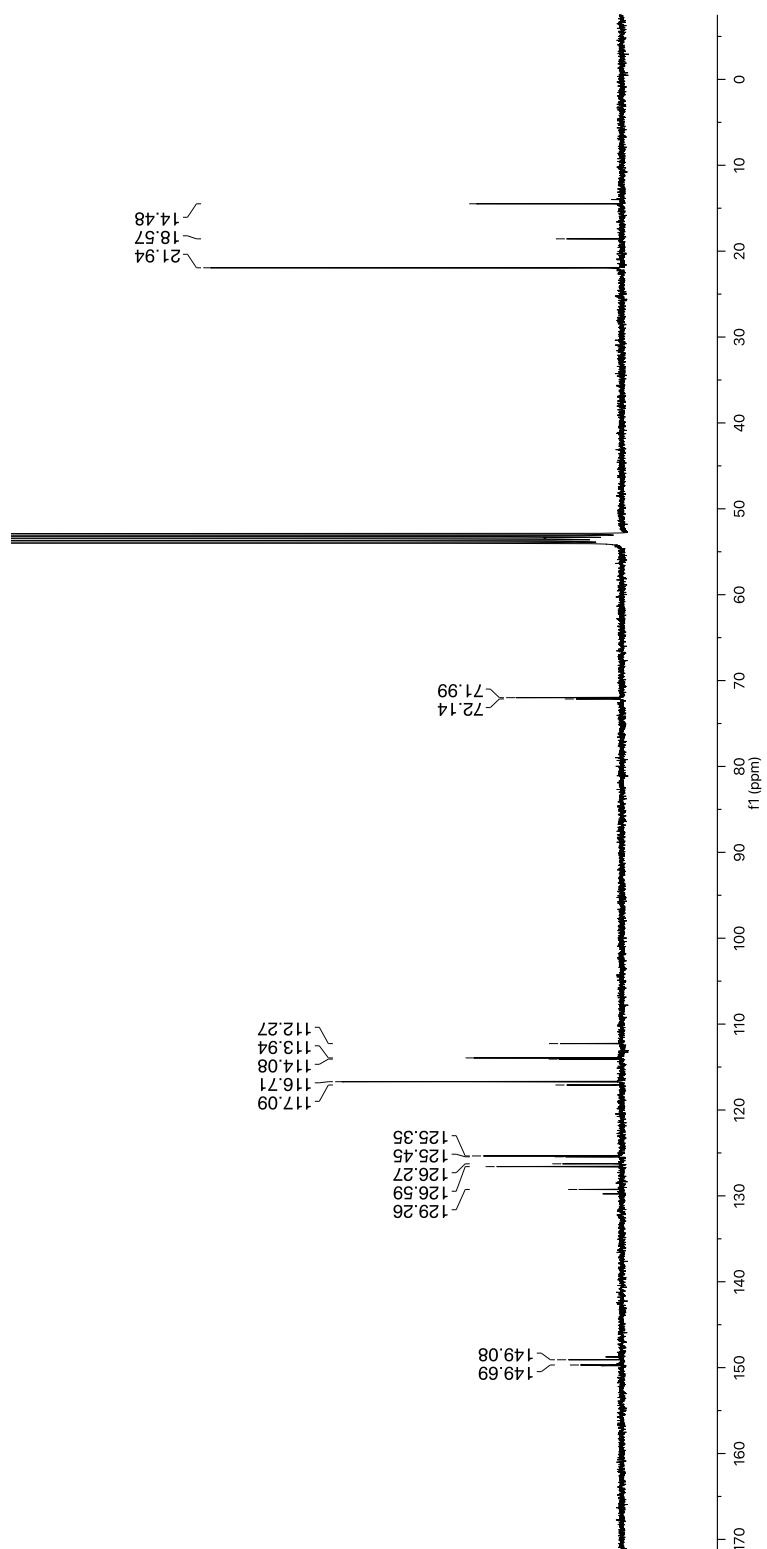


Figure A.4 | ^1H NMR Spectrum of **2.24**

**Figure A.5** | ¹³C NMR Spectrum of **2.24**

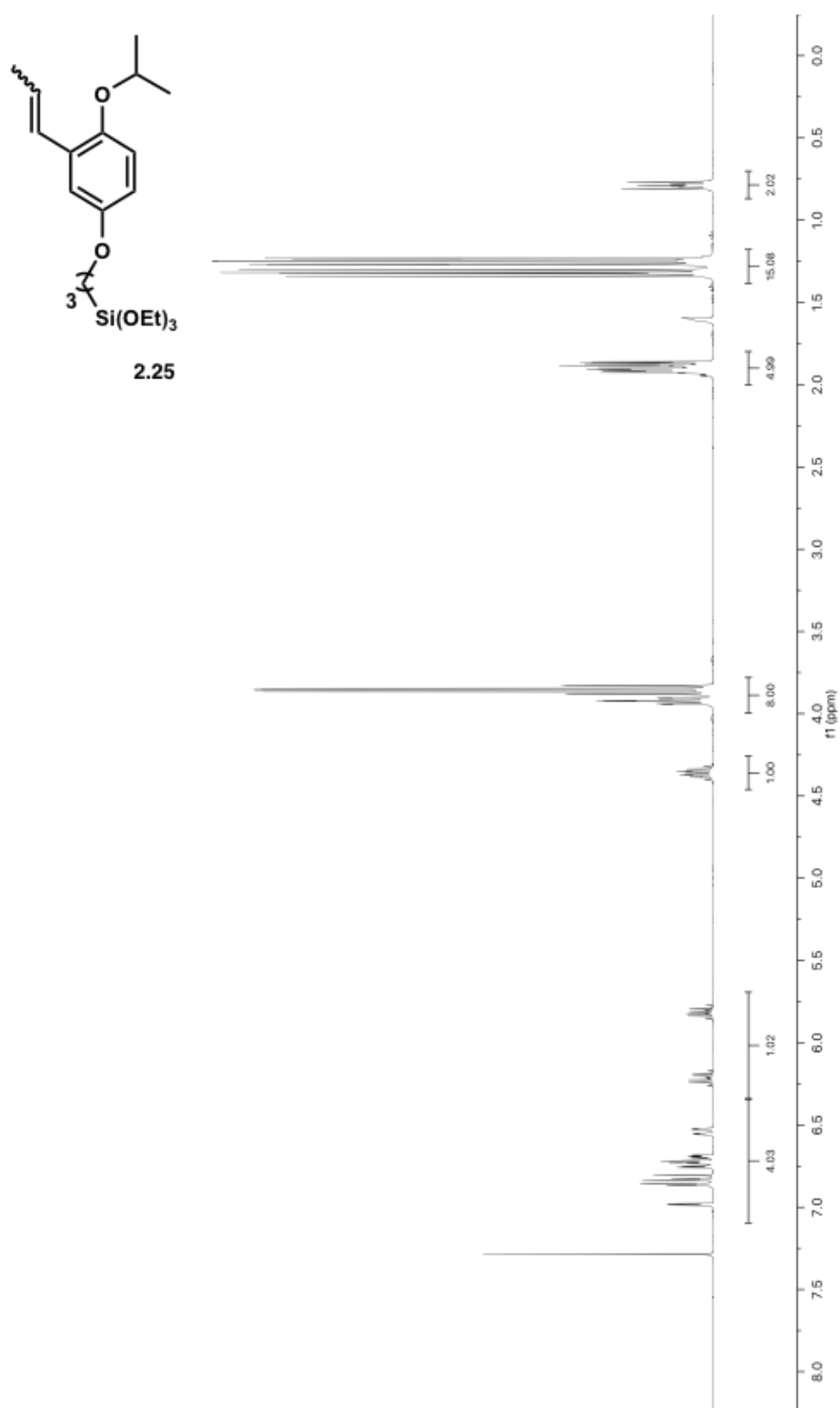


Figure A.6 | ^1H NMR Spectrum of **2.25**

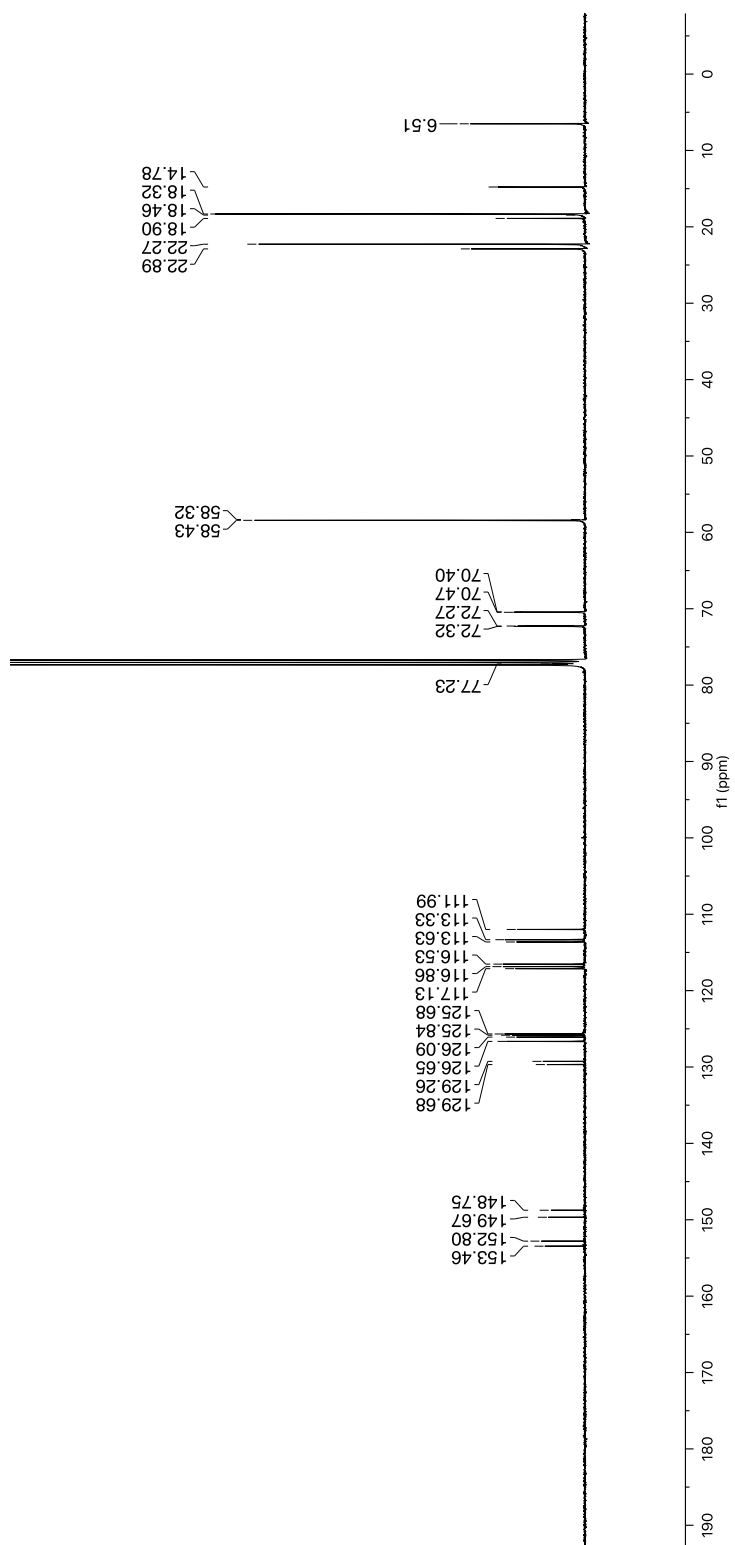


Figure A.7 | ¹³C NMR Spectrum of 2.25

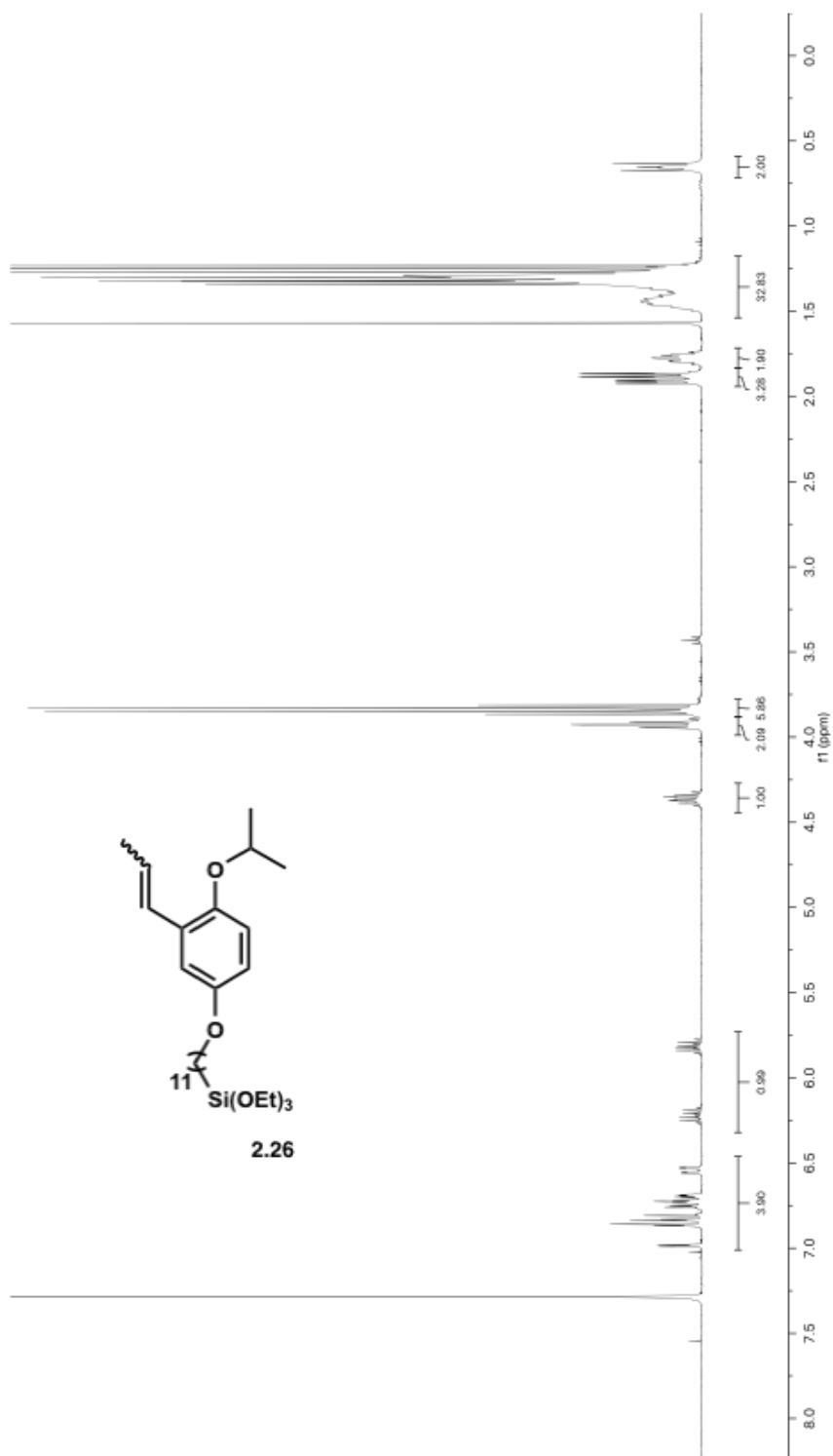


Figure A.8 | ^1H NMR Spectrum of **2.26**

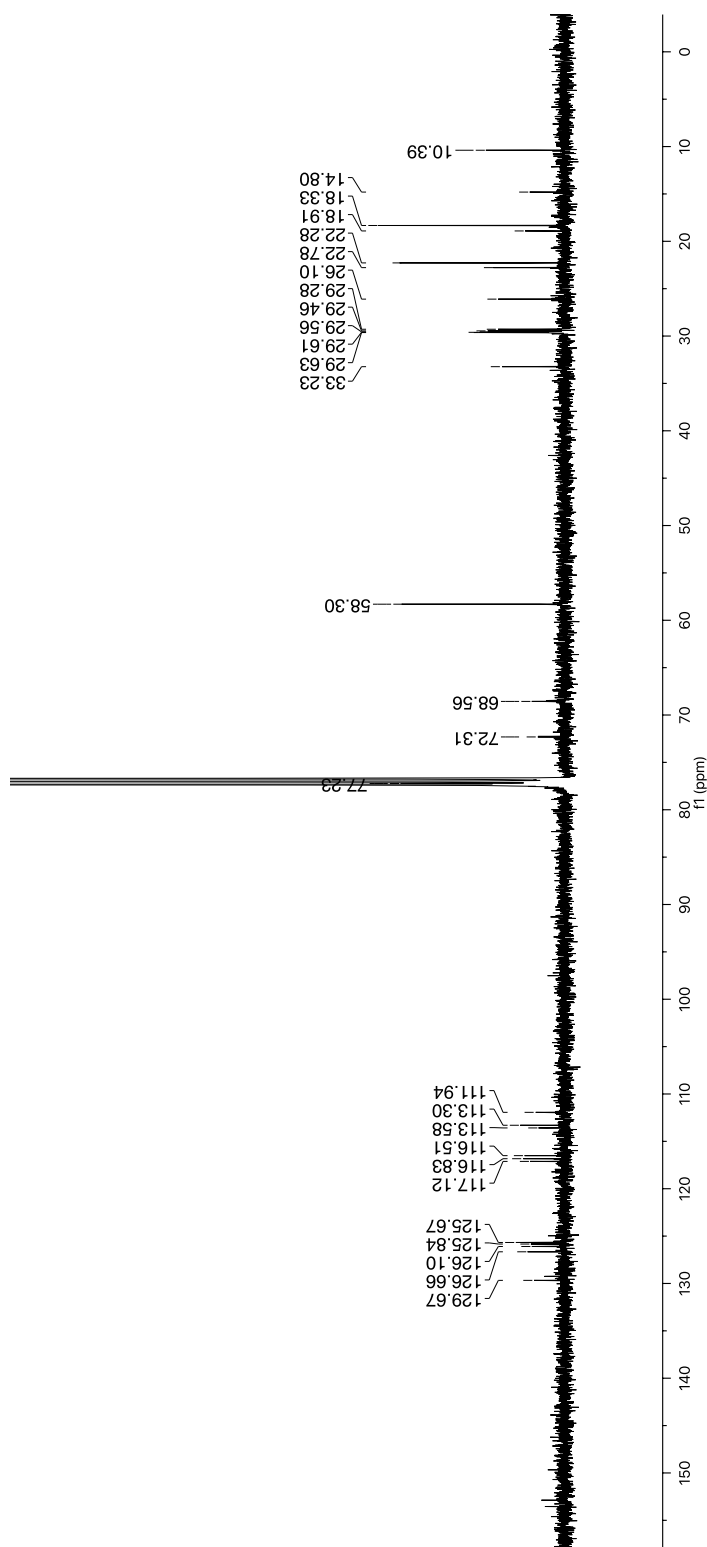


Figure A.9 | ¹³C NMR Spectrum of 2.26

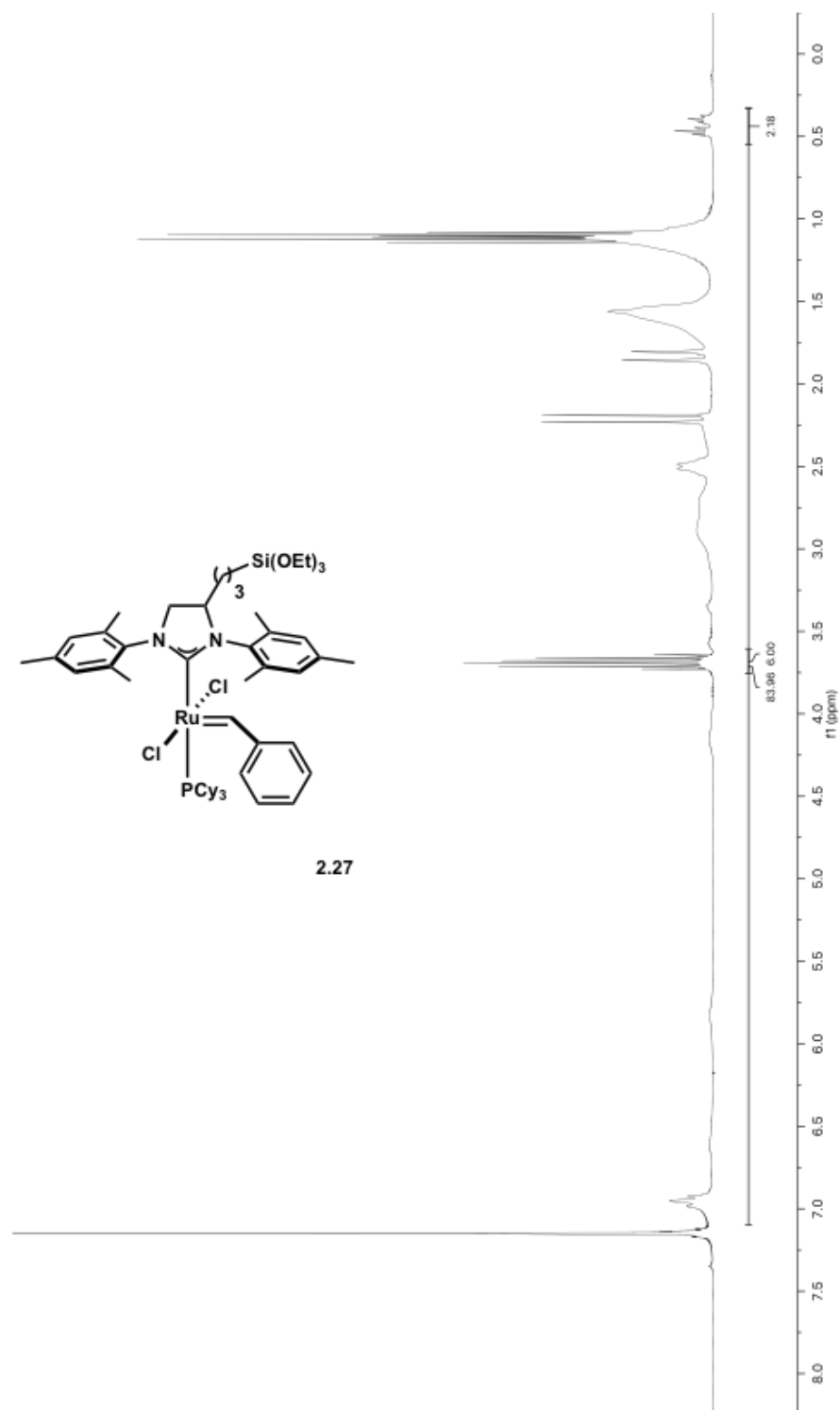


Figure A.10 | ^1H NMR Spectrum of **2.27**

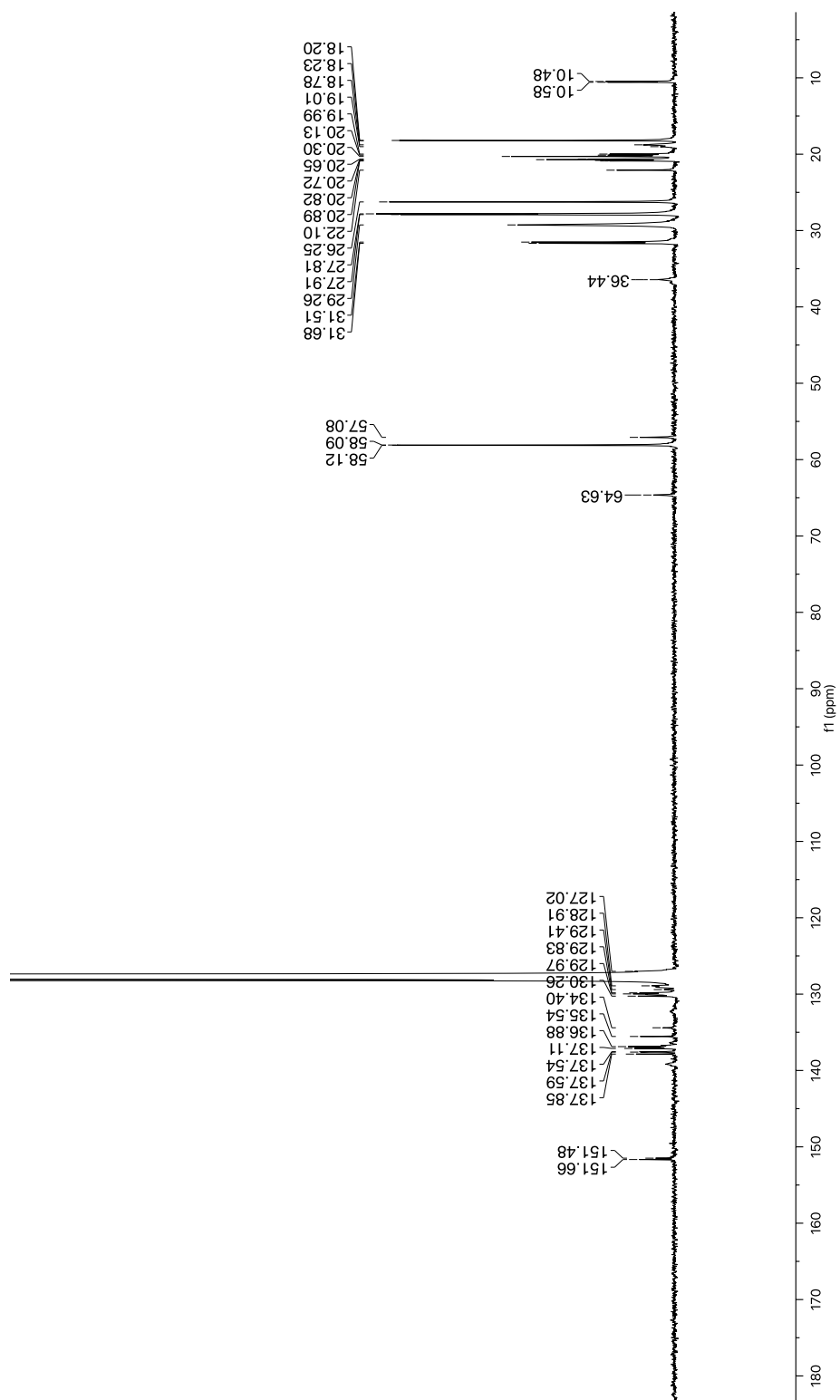


Figure A.11 | ^{13}C NMR Spectrum of 2.27

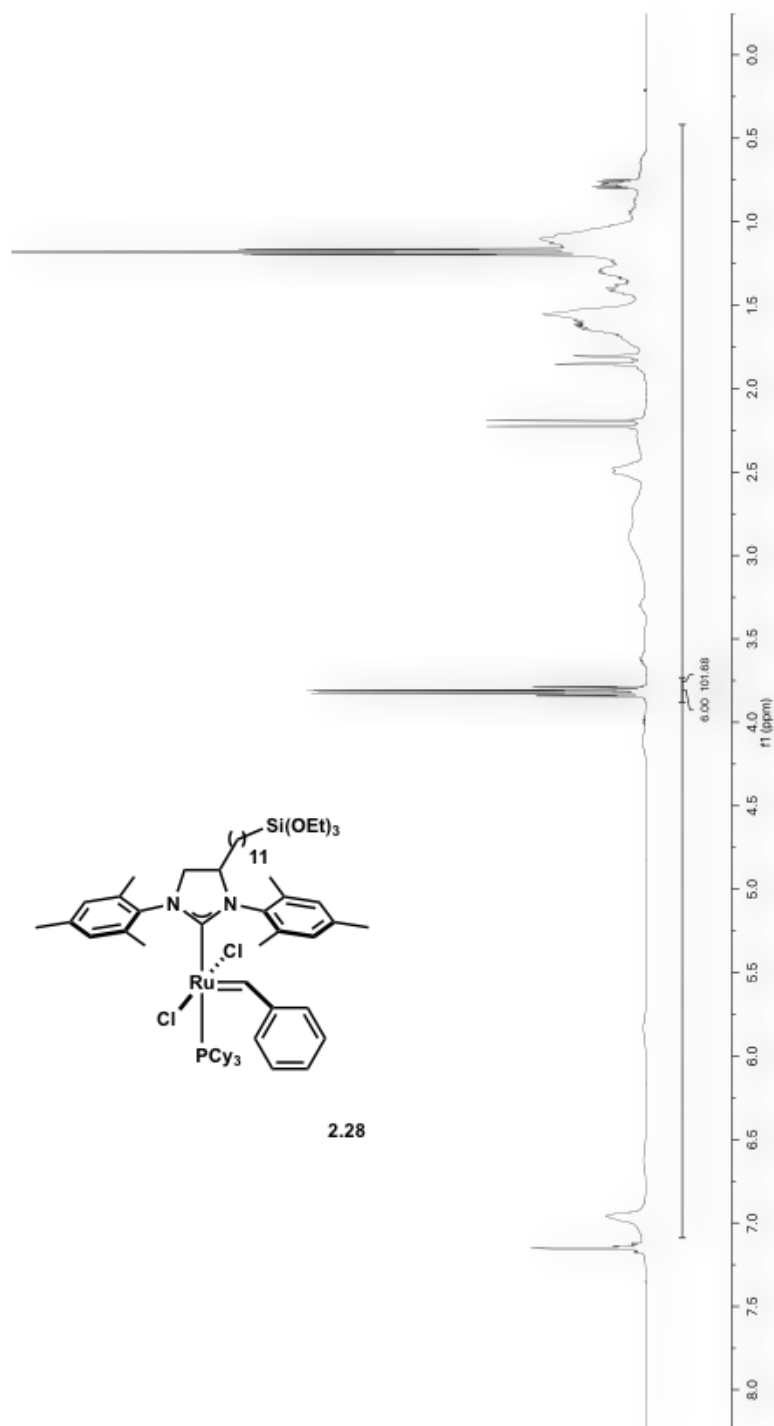


Figure A.12 | ^1H NMR Spectrum of **2.28**

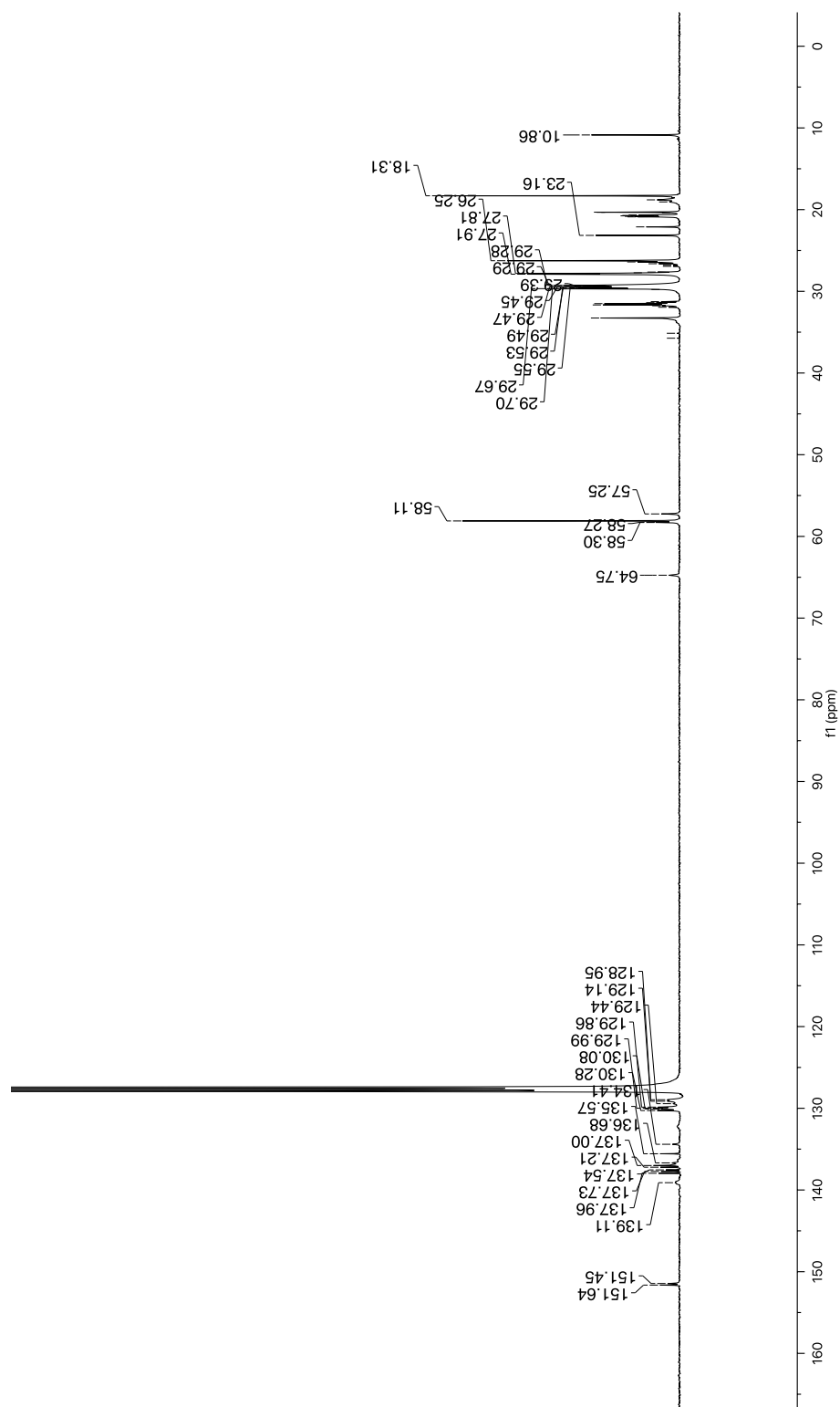


Figure A.13 | ¹³C NMR Spectrum of 2.28

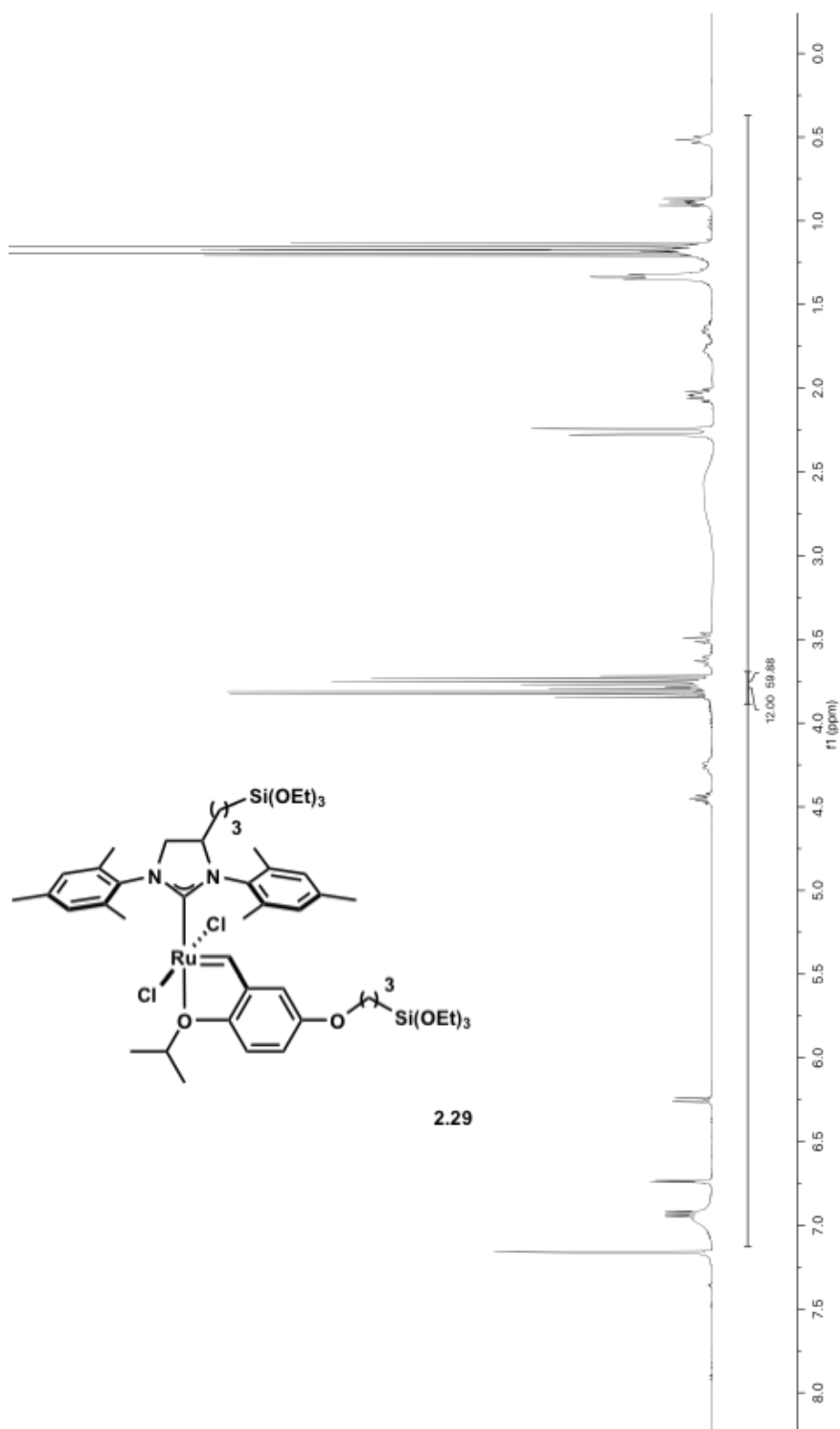


Figure A.14 | ^1H NMR Spectrum of **2.29**

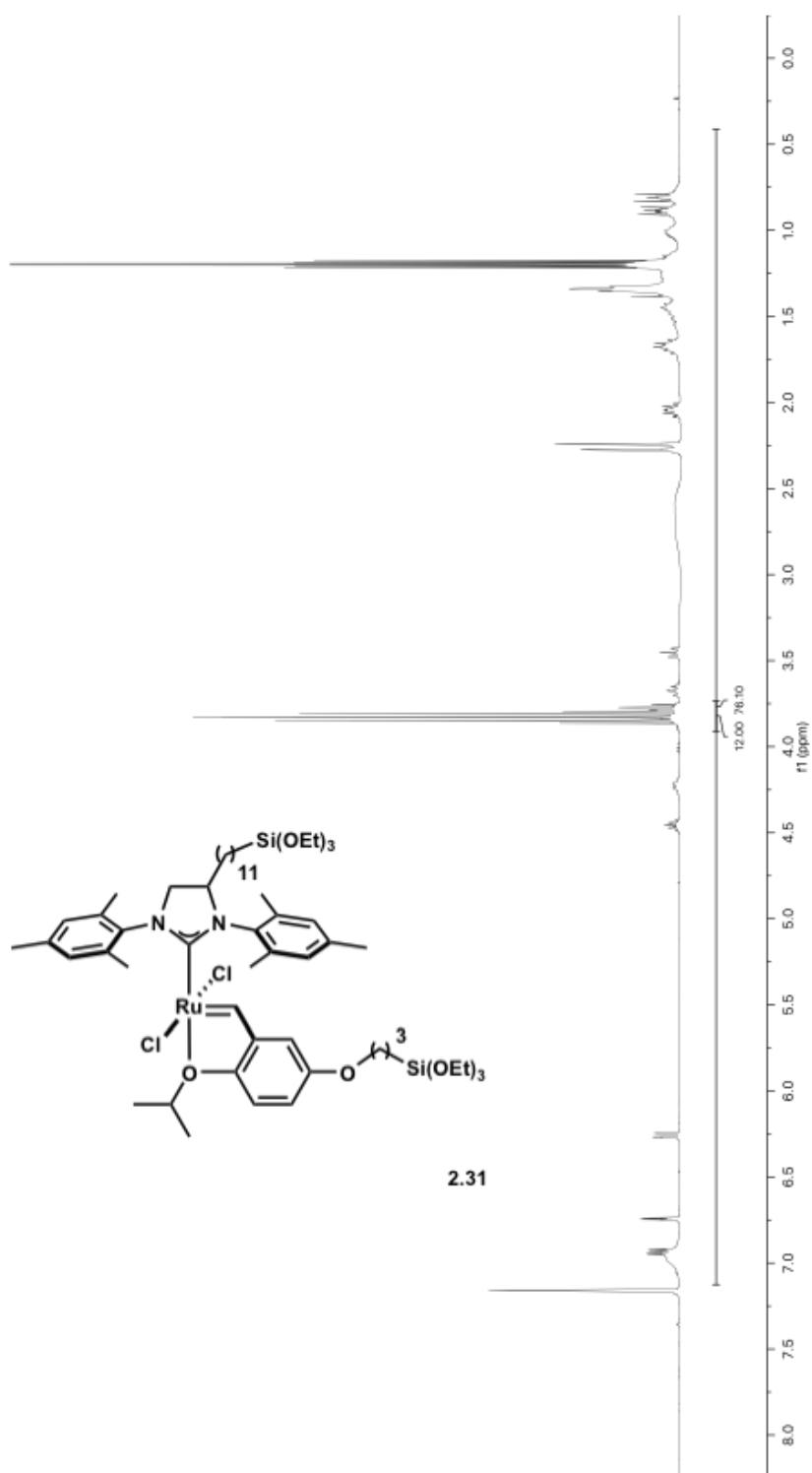


Figure A.15 | ^1H NMR Spectrum of **2.31**

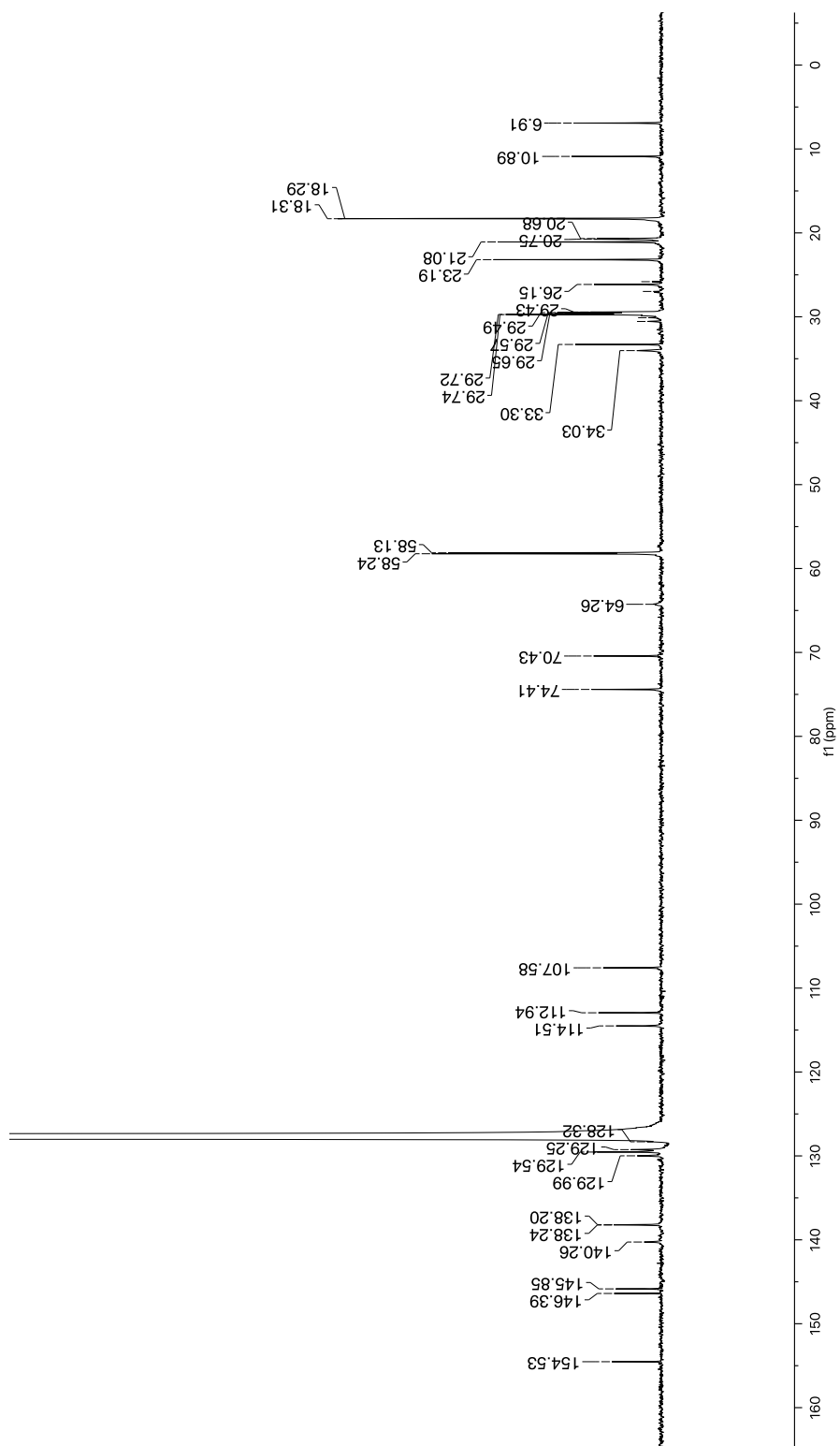


Figure A.16 | ¹³C NMR Spectrum of 2.31

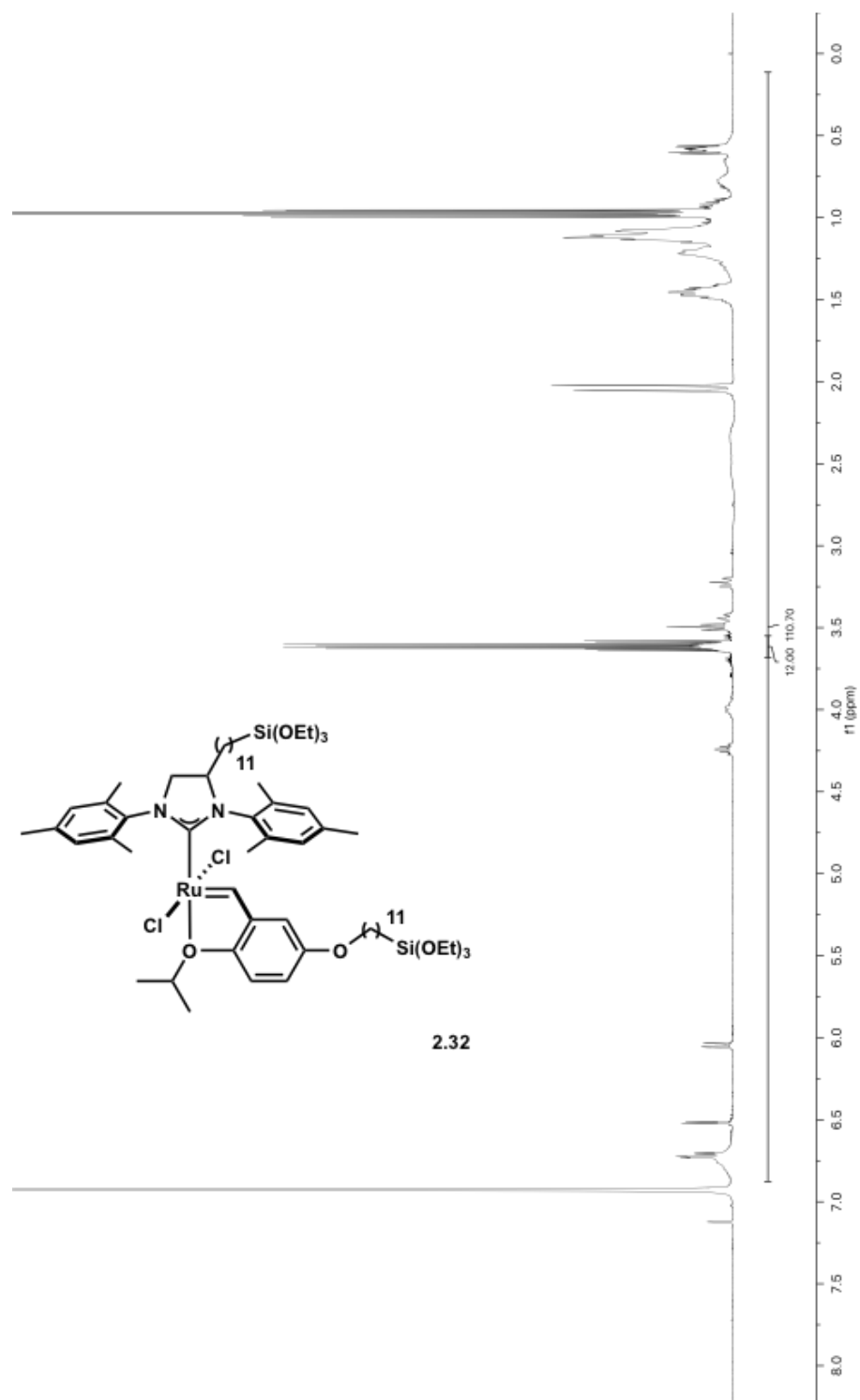


Figure A.17 | ^1H NMR Spectrum of **2.32**

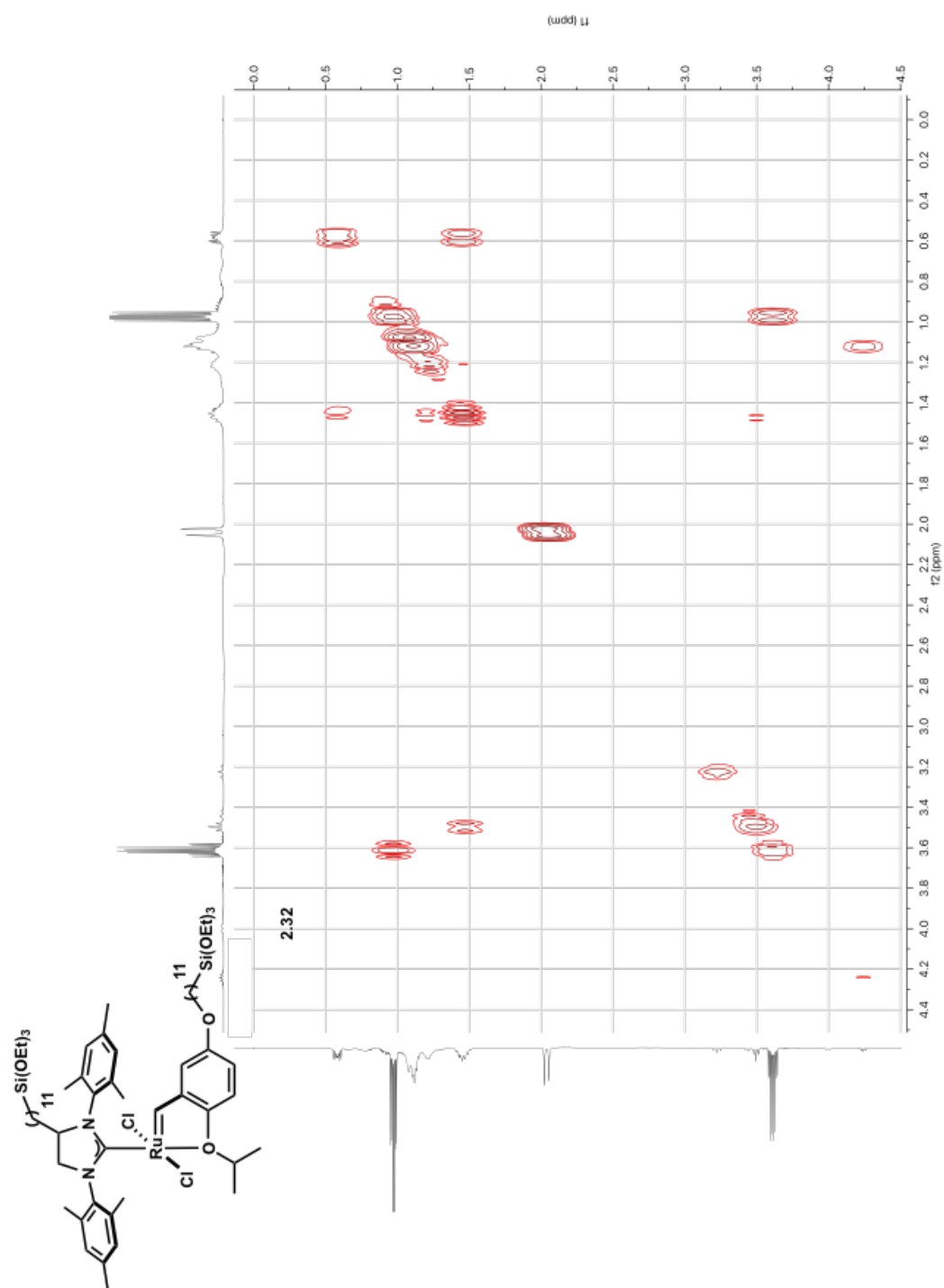


Figure A.18 | COSY NMR Spectrum of **2.32**

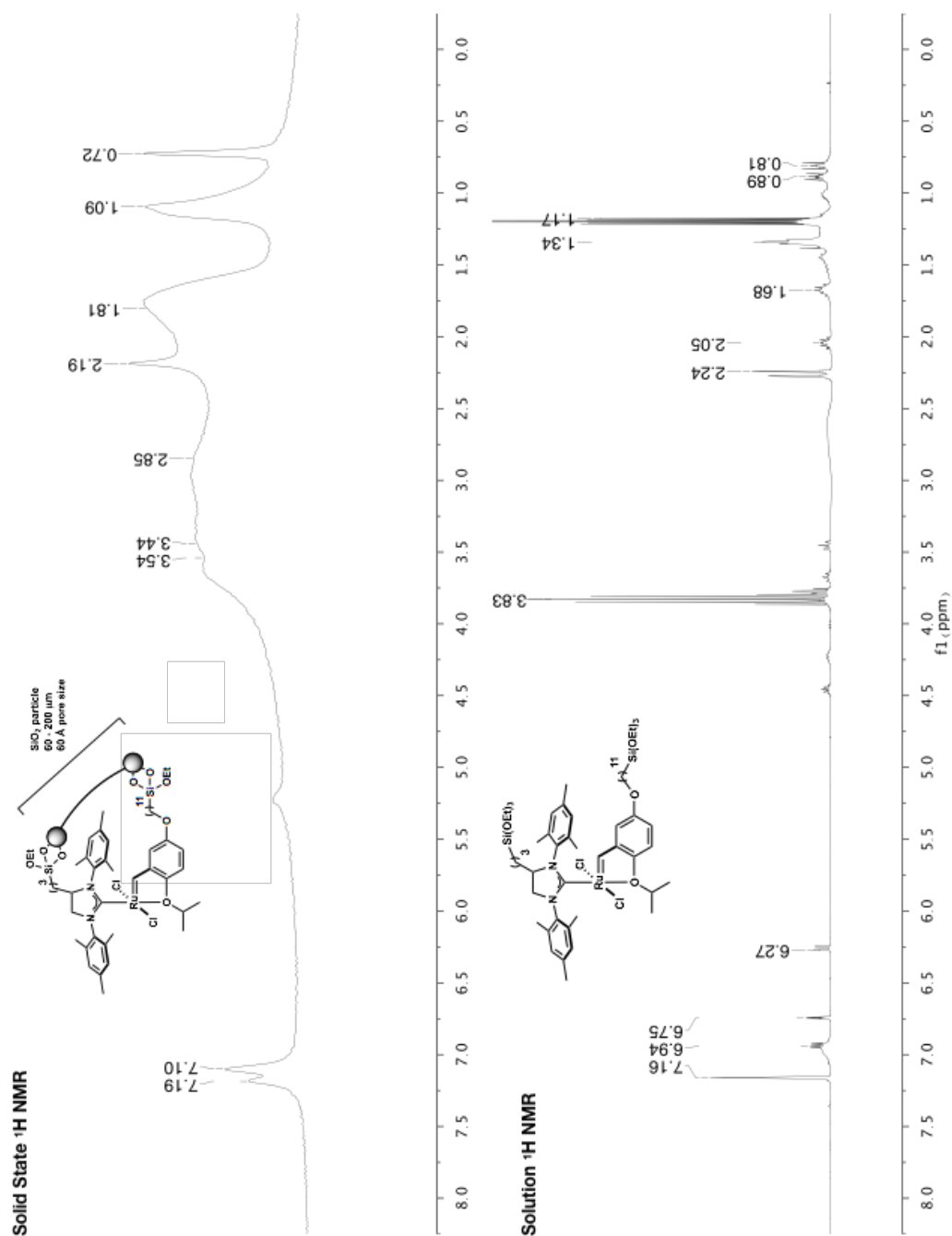


Figure A.19 | Comparison of solution ^1H NMR of homogeneous pre-catalyst and solid state ^1H NMR after attachment to silica support.