APPENDIX 9

Spectra Relevant to Appendix 6:

Synthetic Summary for Chapter 4

and Further C–H Functionalization Studies





Figure A9.3. $^{\rm 13}C$ NMR (101 MHz, CDCl₃) of compound **210**.





Figure A9.5. Infrared Spectrum (Thin Film, KBr) of compound 211.



Figure A9.6. ¹³C NMR (101 MHz, CDCl₃) of compound **211**.



Figure A9.8. NOESY (500 MHz, CDCl₃) of compound **211**.





Figure A9.10. ¹³C NMR (101 MHz, CDCl₃) of compound **212**.





Figure A9.12. Infrared Spectrum (Thin Film, KBr) of compound 217.



Figure A9.13. ¹³C NMR (101 MHz, CDCl₃) of compound **217**.





Figure A9.15. HSQC (400, 101 MHz, CDCl₃) of compound **218**.



Figure A9.16. ¹³C NMR (101 MHz, CDCl₃) of compound **218**.





Figure A9.18. Infrared Spectrum (Thin Film, KBr) of compound 220.





Figure A9.21. NOESY (400 MHz, CDCl₃) of compound **220**.