

Synthesis and NMR characterization of Bile Acid Derivatives Bearing Ugi 4CR-Modified Side Chains

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Supplementary Information

NMR spectra of reported compounds

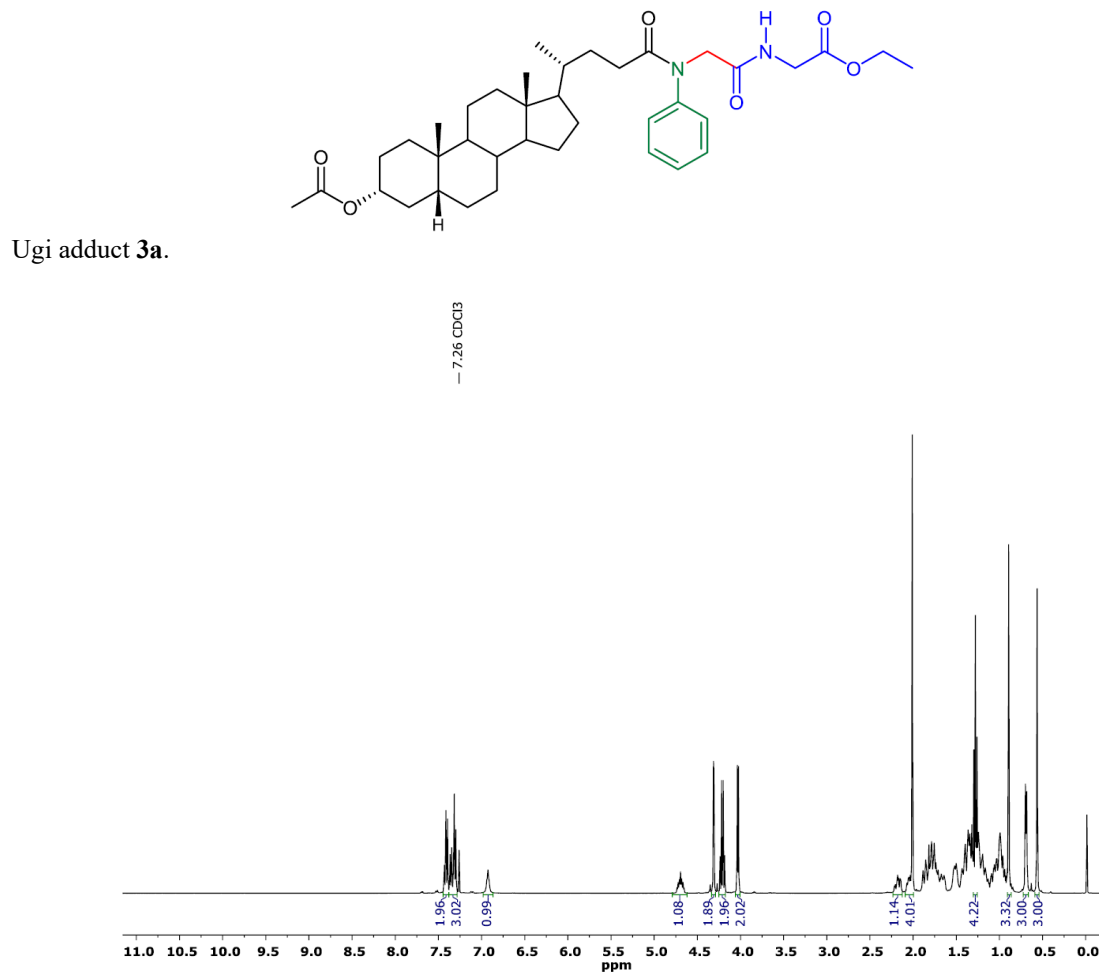


Fig. S1. ¹H NMR spectrum (400 MHz, CDCl₃) of compound **3a**.

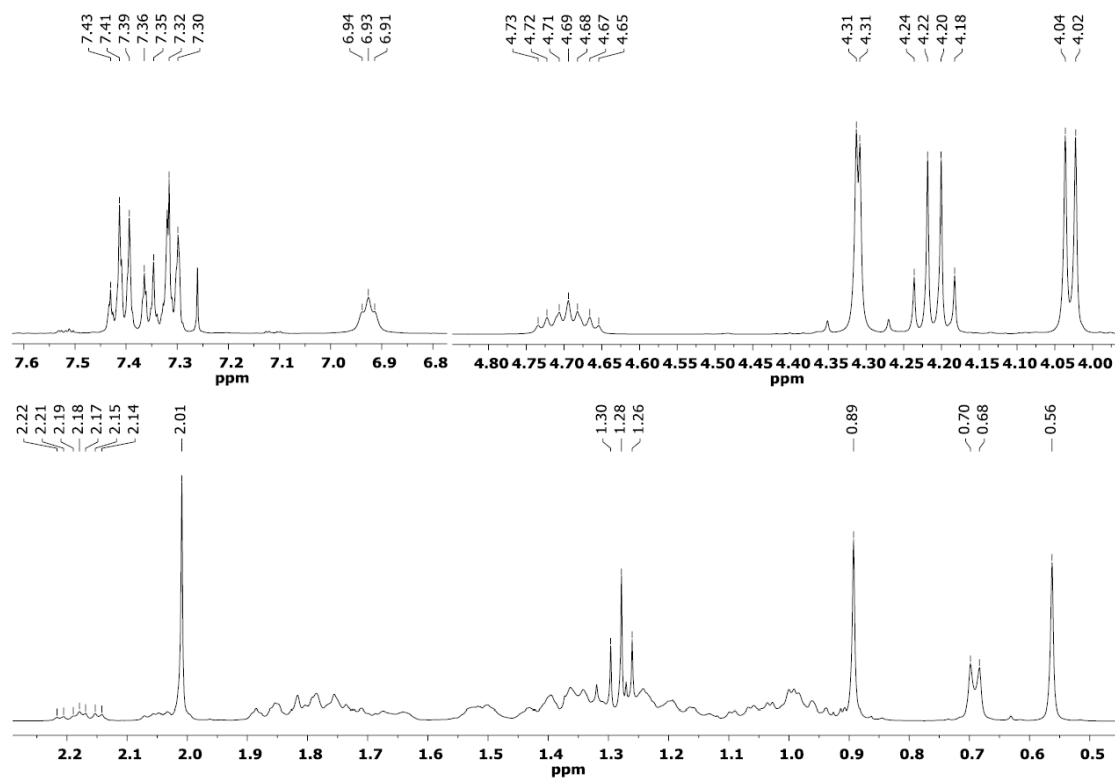


Fig. S2. Sections of the ^1H NMR spectrum (400 MHz, CDCl_3) of compound **3a**.

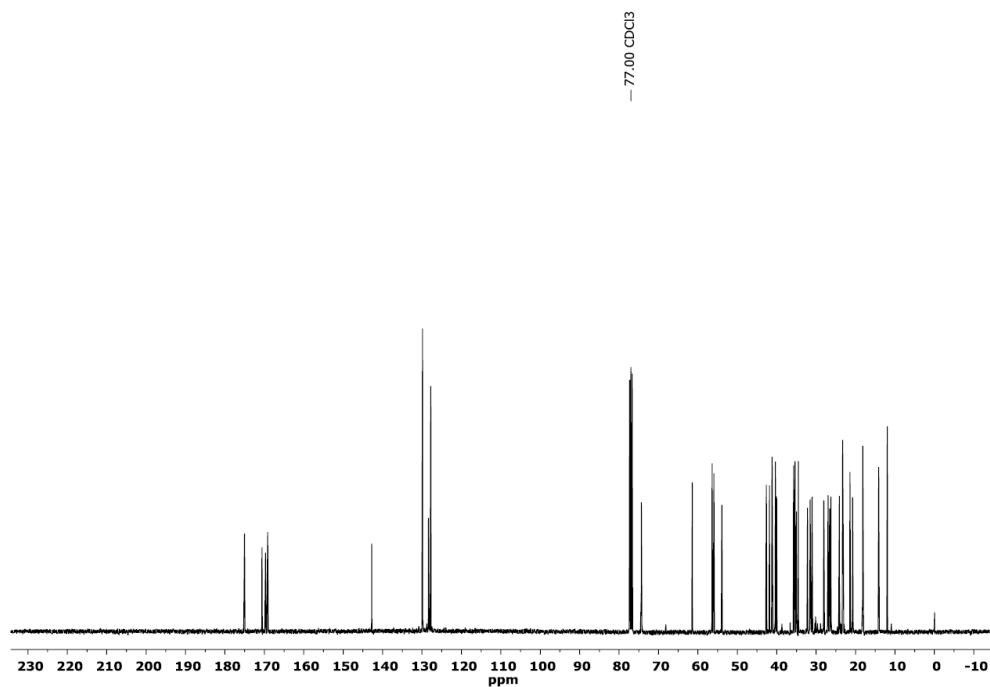


Fig.S3. ^{13}C NMR spectrum (100.53 MHz, CDCl_3) of compound **3a**.

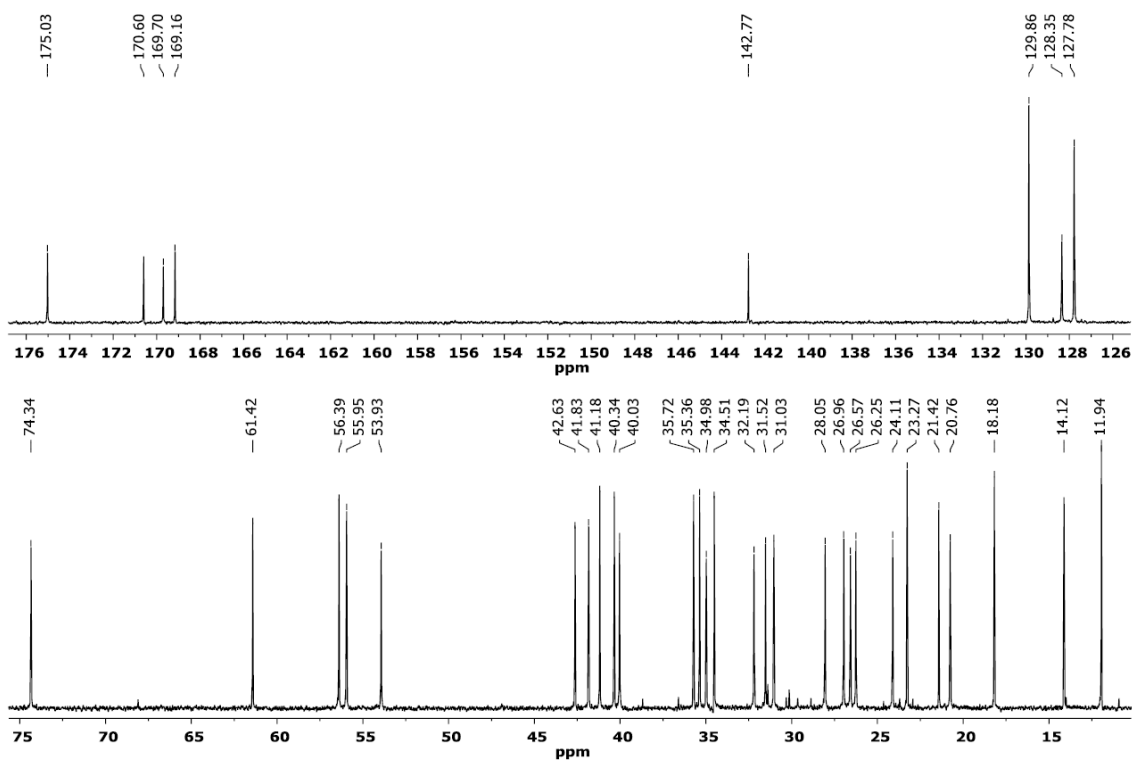


Fig. S4. Sections of the ^{13}C NMR spectrum (100.53 MHz, CDCl_3) of compound **3a**.

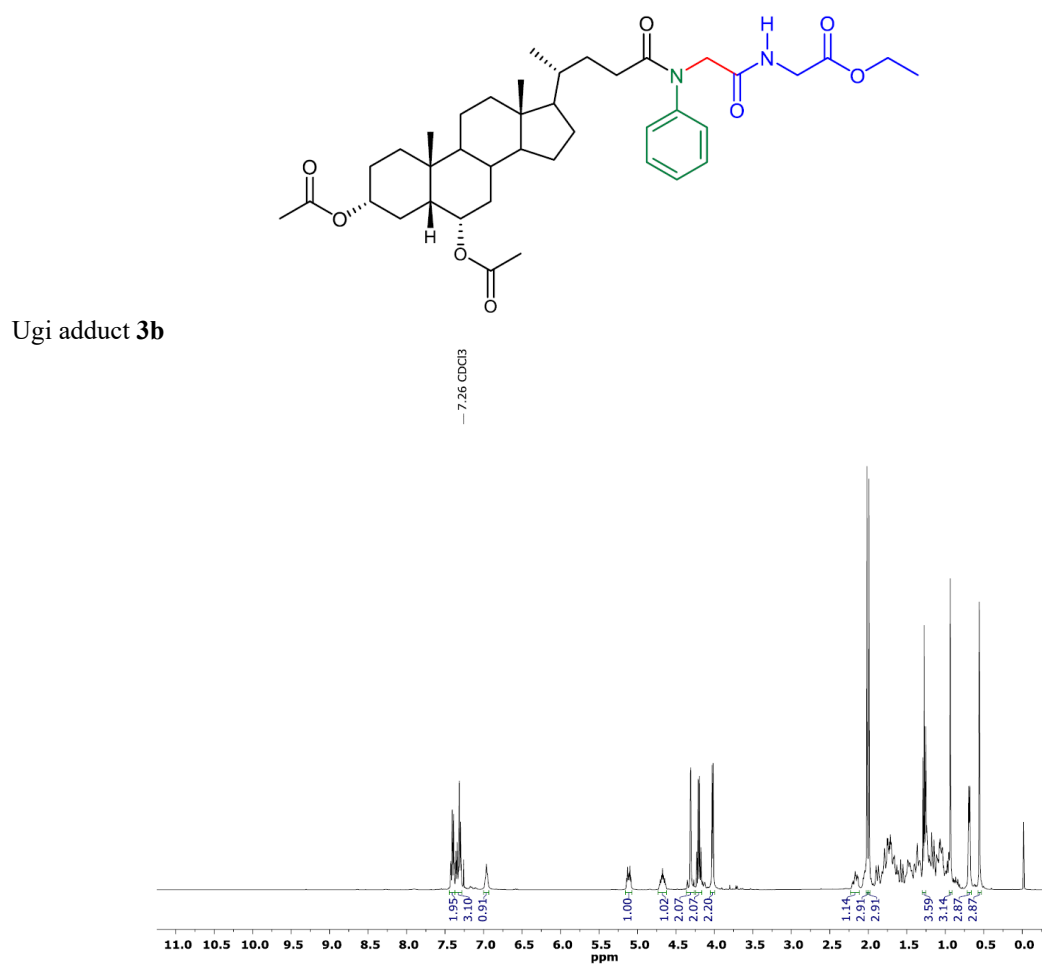


Fig. S5. ¹H NMR spectrum (400 MHz, CDCl₃) of compound **3b**.

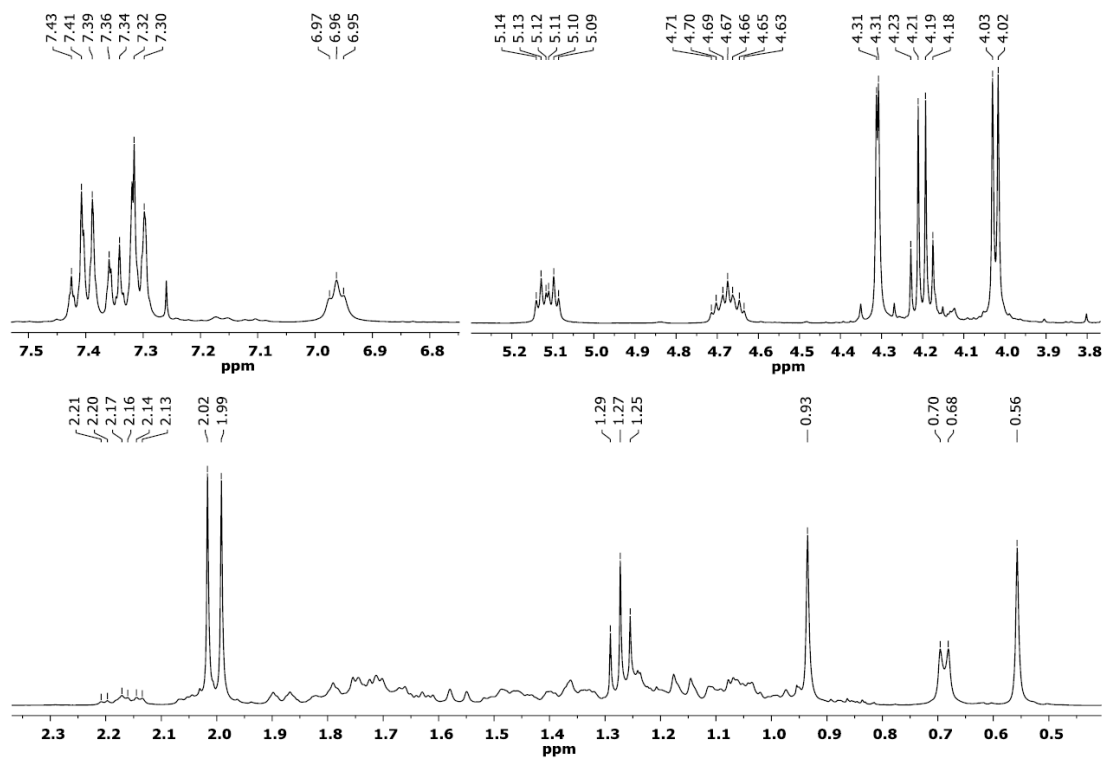


Fig. S6. Sections of the ^1H NMR spectrum (400 MHz, CDCl_3) of compound **3b**.

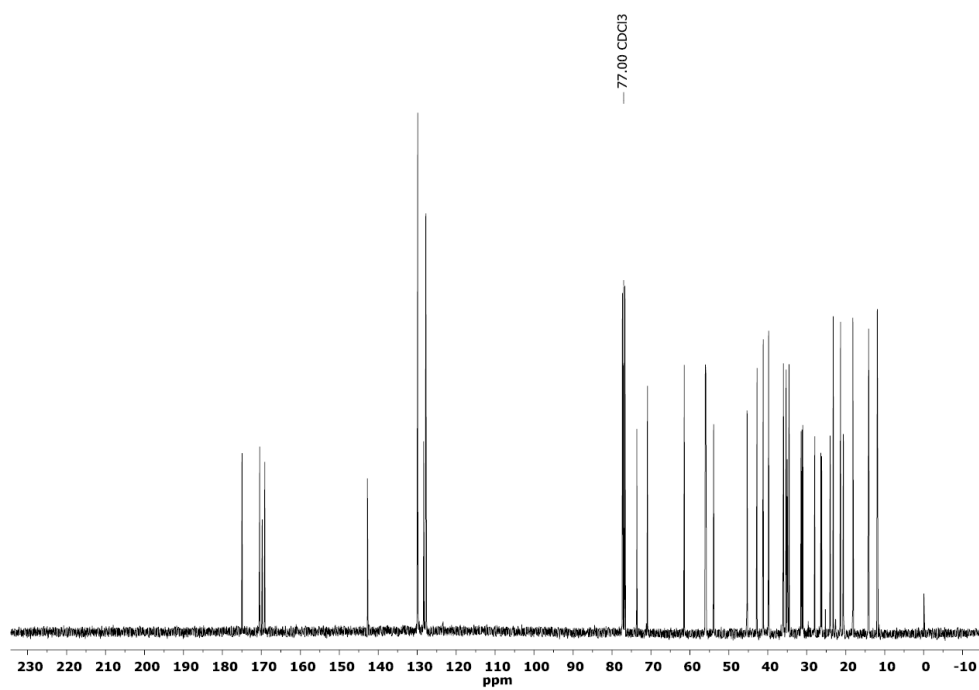


Fig. S7. ^{13}C NMR spectrum (100.53 MHz, CDCl_3) of compound **3b**.

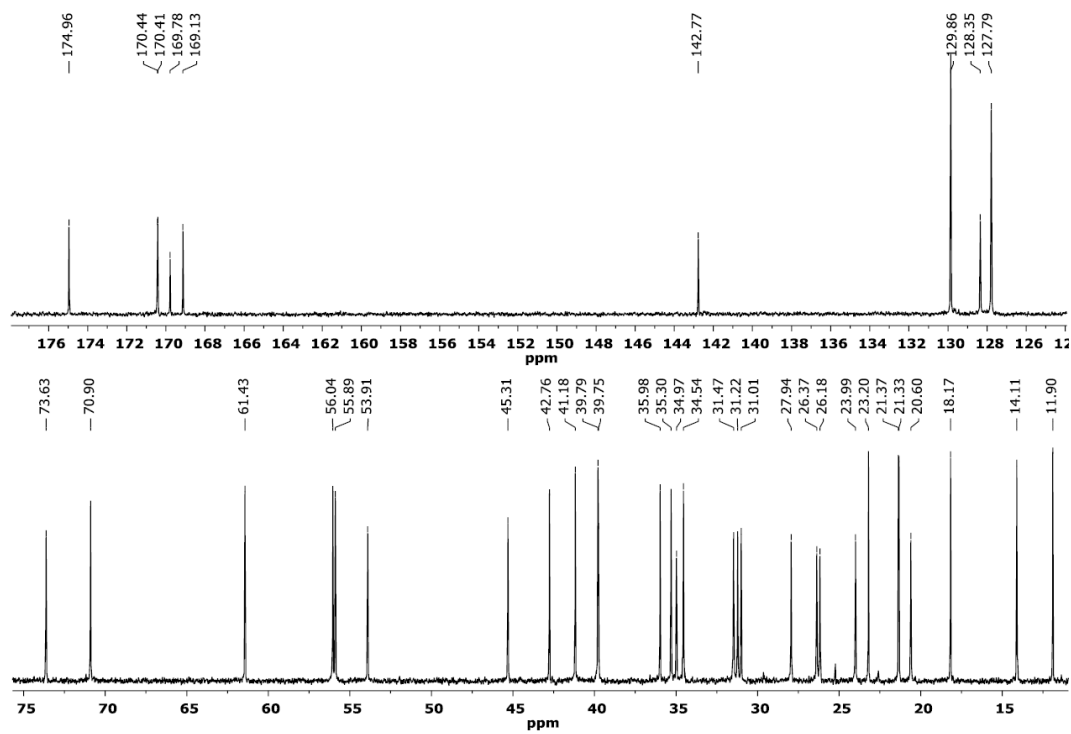
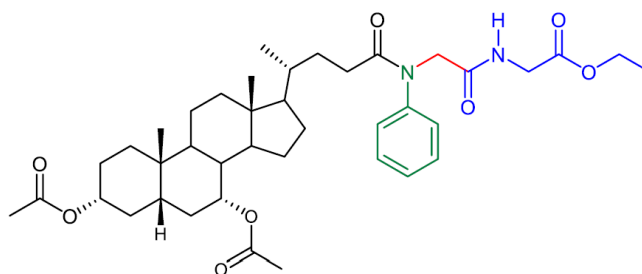
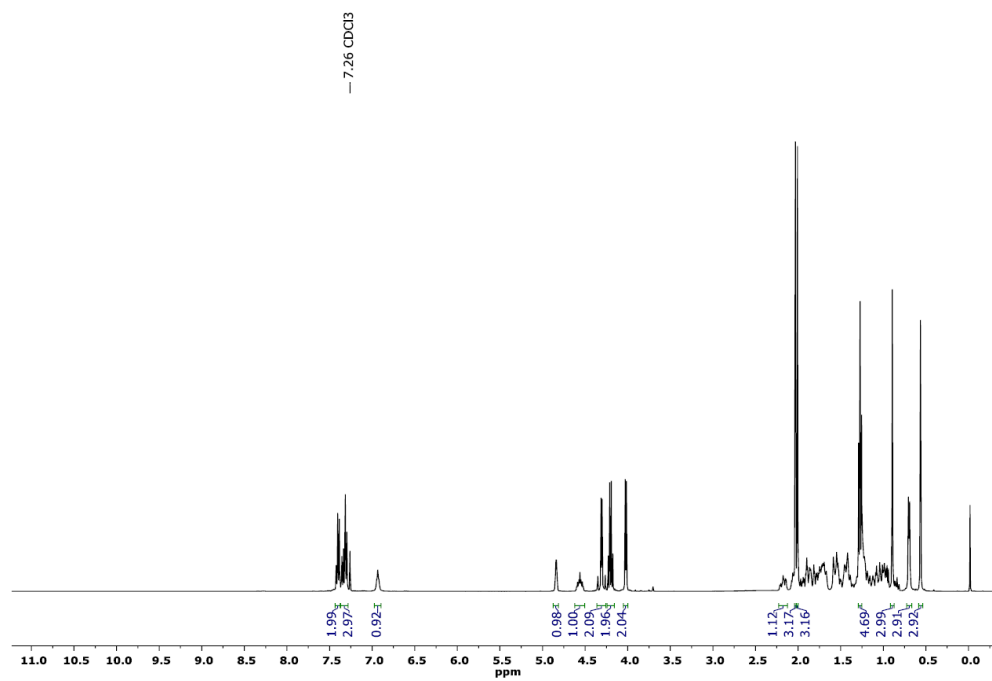


Fig. S8. Sections of the ^{13}C NMR spectrum (100.53 MHz, CDCl_3) of compound **3b**.

Ugi adduct **3c**Fig. S9. ¹H NMR spectrum (400 MHz, CDCl₃) of compound **3c**.

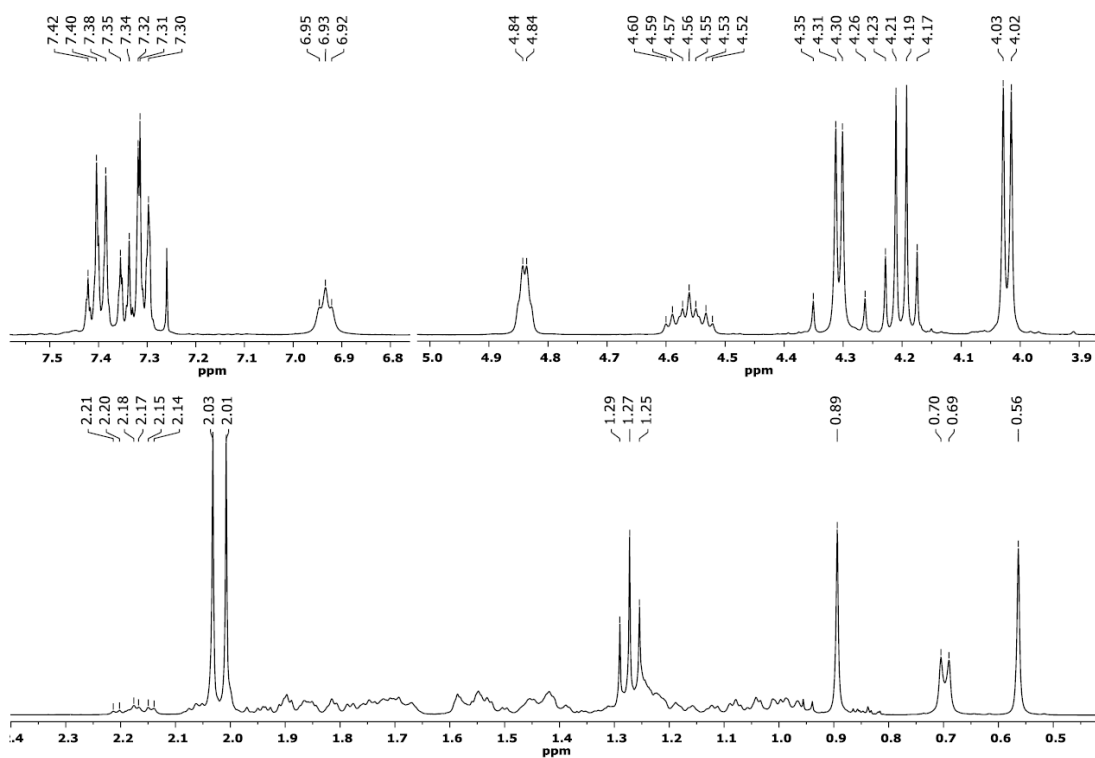


Fig. S10. Sections of the ^1H NMR spectrum (400 MHz, CDCl_3) of compound **3c**.

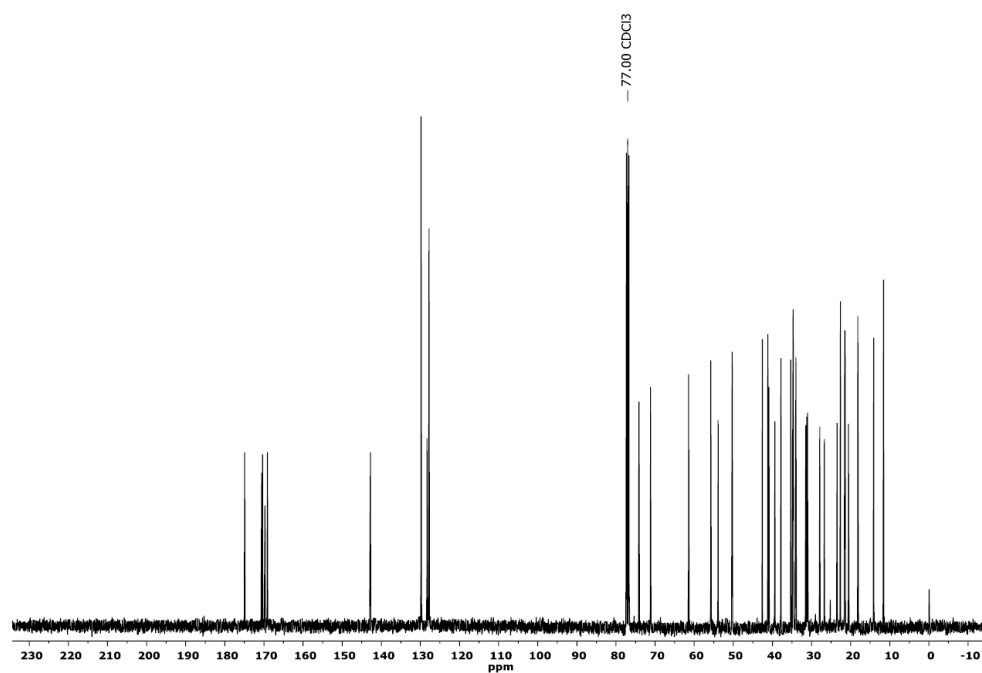


Fig. S11. ^{13}C NMR spectrum (100.53 MHz, CDCl_3) of compound **3c**.

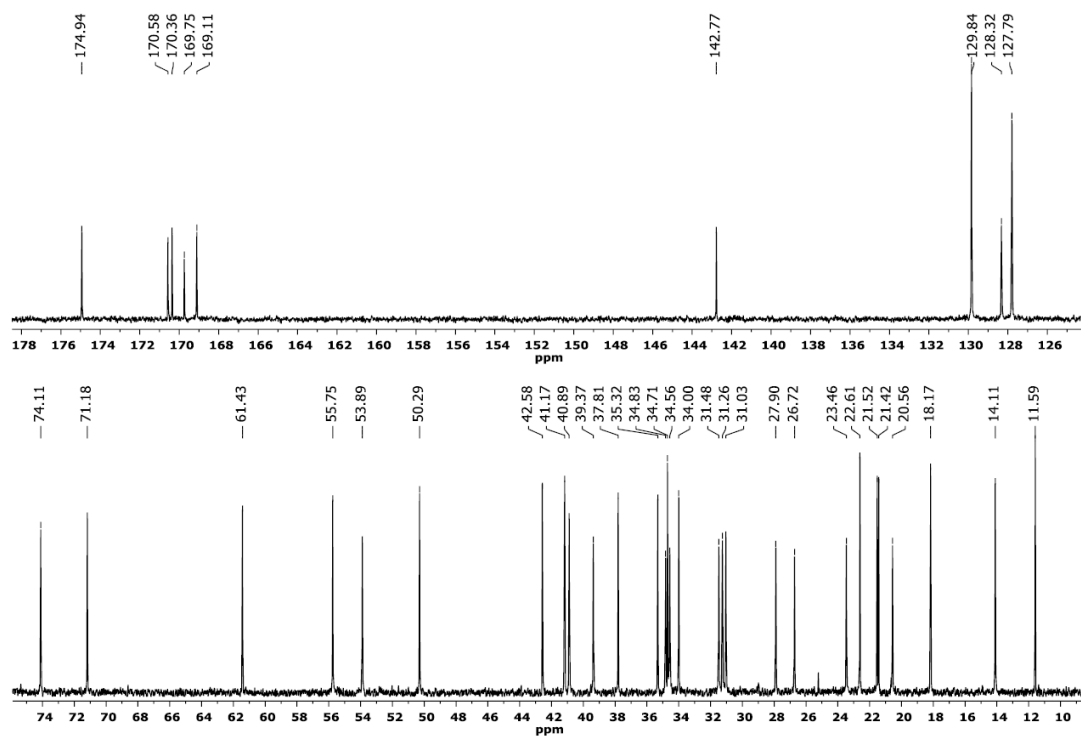


Fig. S12. Sections of the ^{13}C NMR spectrum (100.53 MHz, CDCl_3) of compound **3c**.

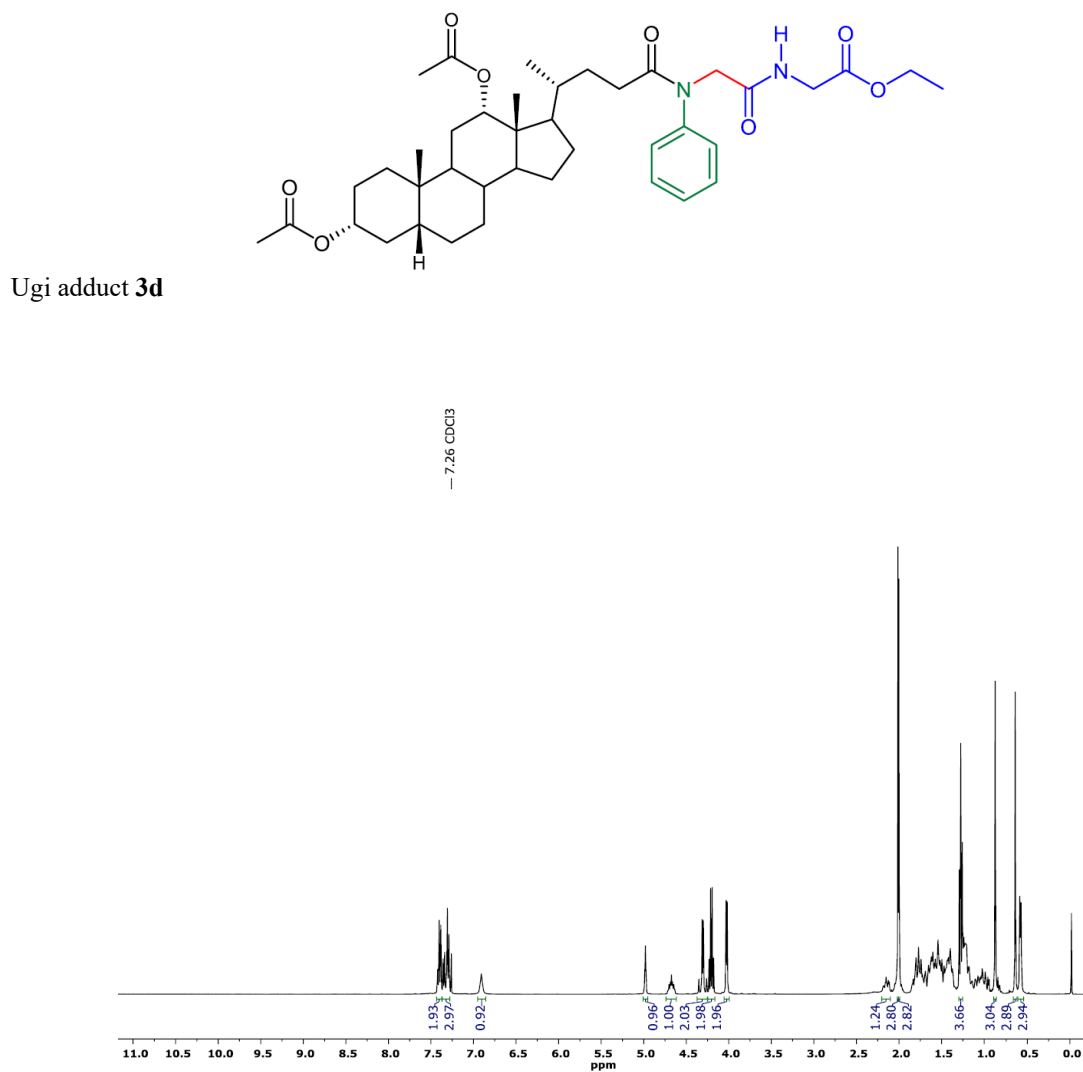


Fig. S13. ¹H NMR spectrum (400 MHz, CDCl₃) of compound **3d**.

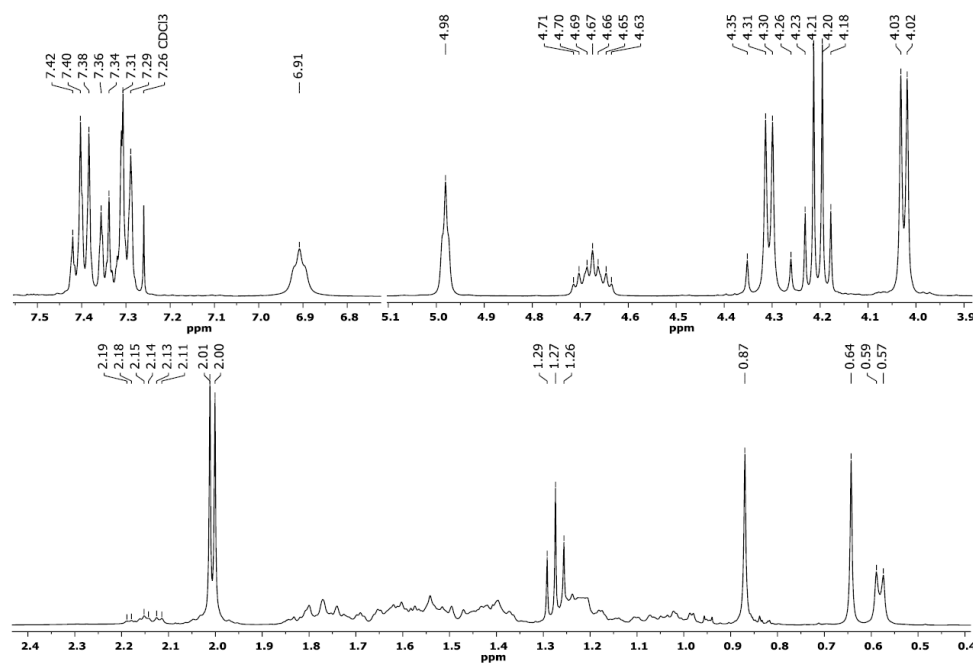


Fig. S14. Sections of the ^1H NMR spectrum (400 MHz, CDCl_3) of compound **3d**.

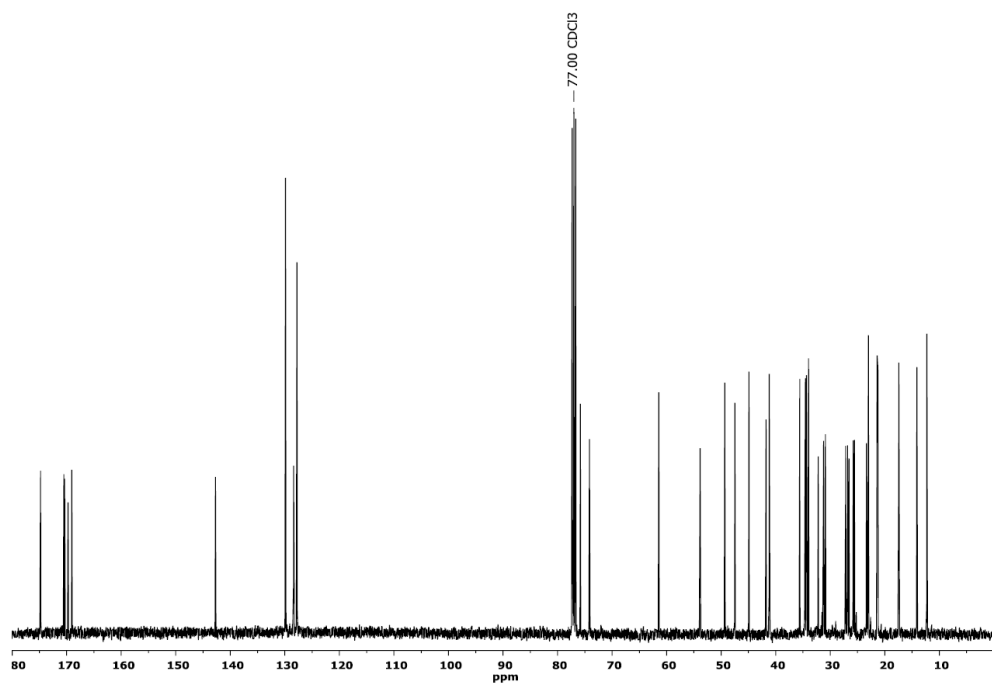


Fig. S15. ^{13}C NMR spectrum (100.53 MHz, CDCl_3) of compound **3d**.

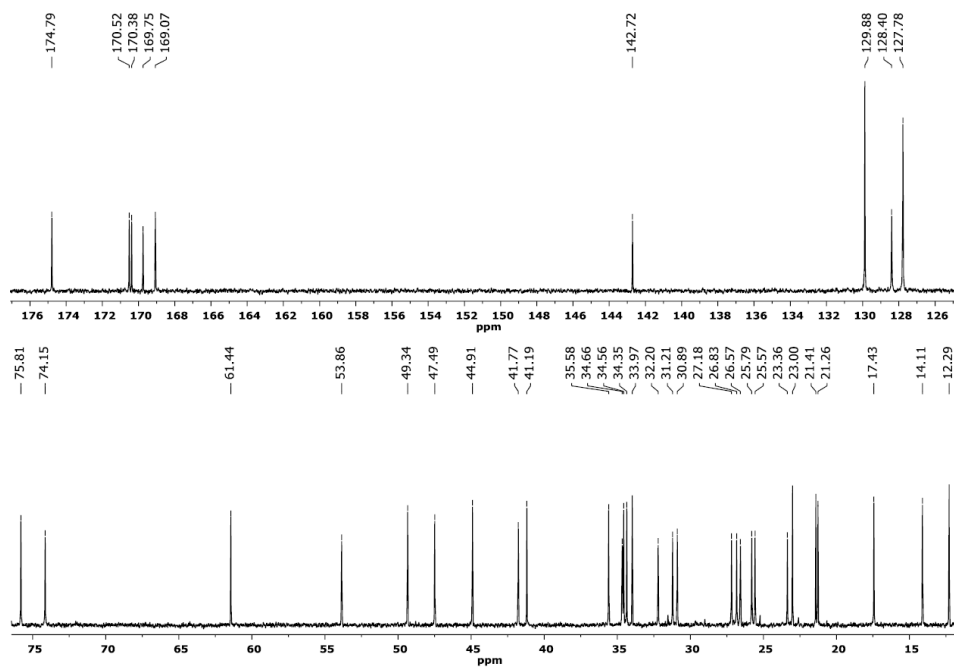
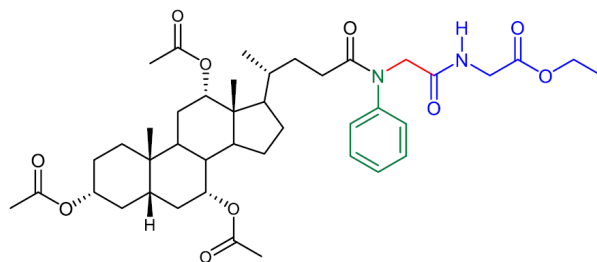
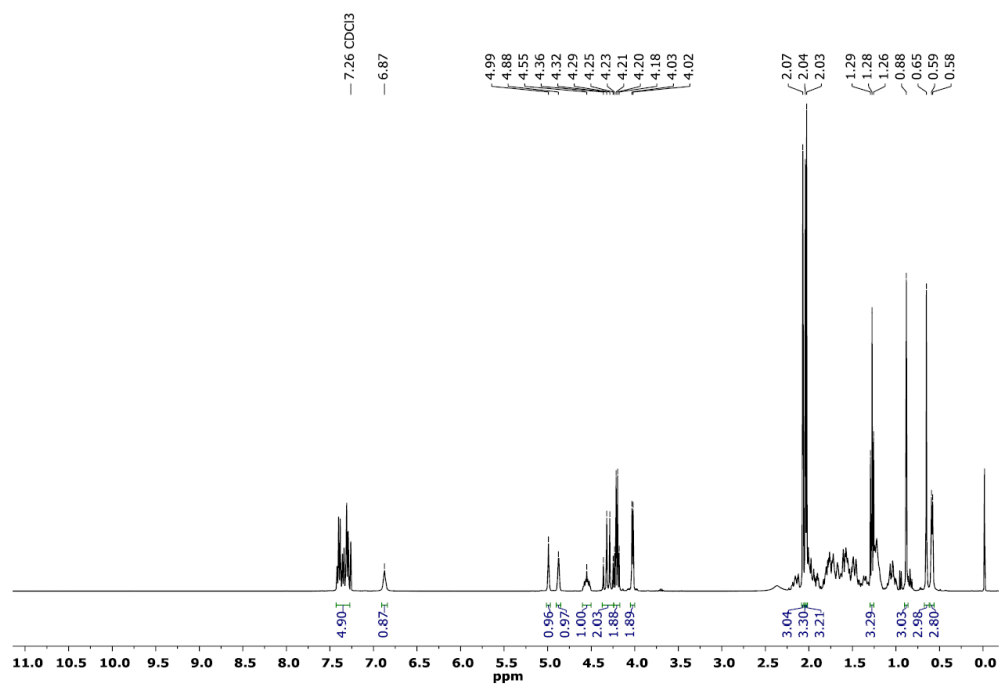
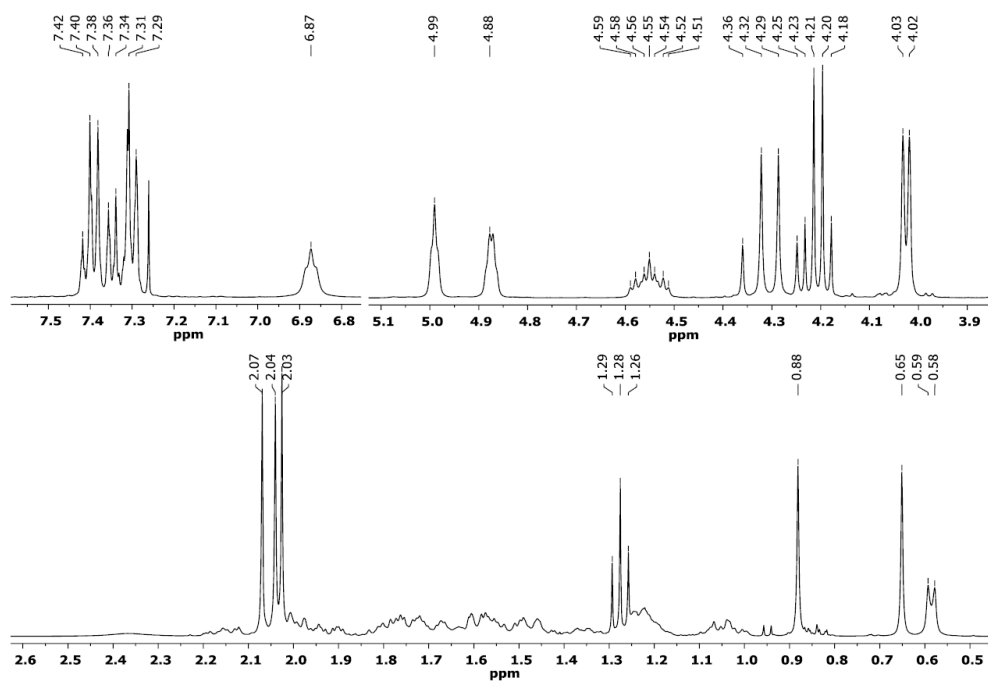
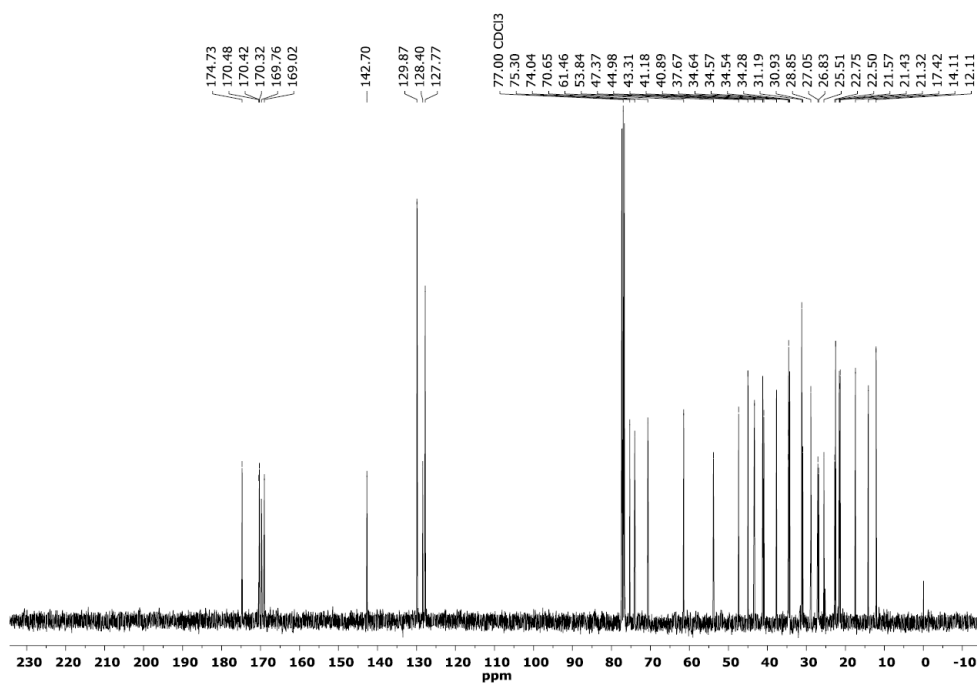


Fig. S16. Sections of the ^{13}C NMR spectrum (100.53 MHz, CDCl_3) of compound **3d**.

Ugi adduct **3e**Fig. S17. ^1H NMR spectrum (400 MHz, CDCl_3) of compound **3e**.

Fig. S18. Sections of the ^1H NMR spectrum (400 MHz, CDCl_3) of compound **3e**.Fig. S19. ^{13}C NMR spectrum (100.53 MHz, CDCl_3) of compound **3e**.

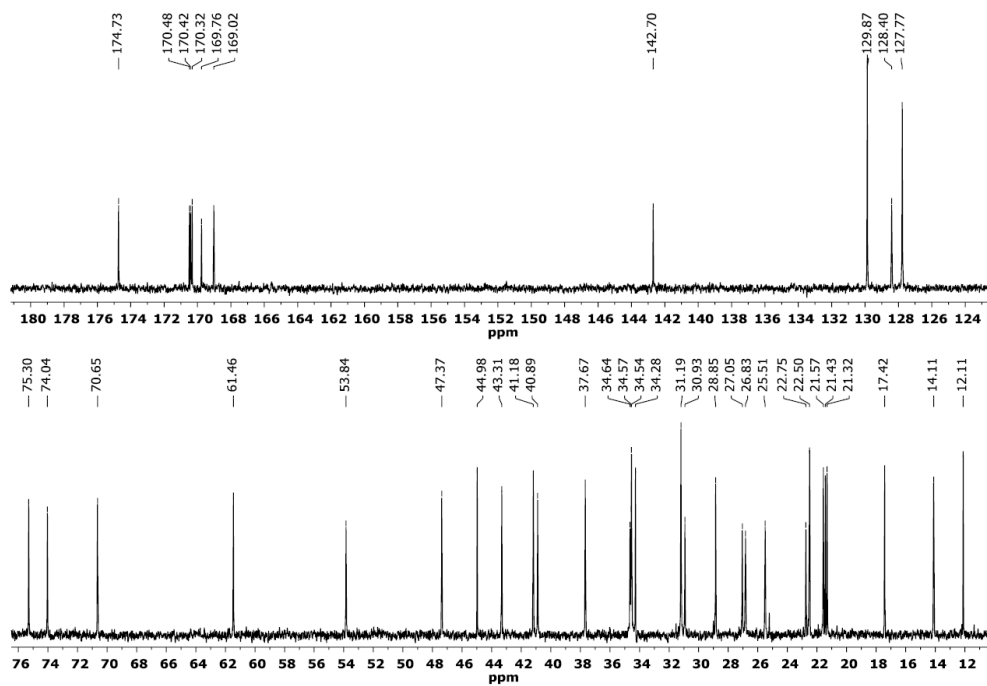


Fig. S20. Sections of the ^{13}C NMR spectrum (100.53 MHz, CDCl_3) of compound **3e**.