CHAPTER 10

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APPENDIX

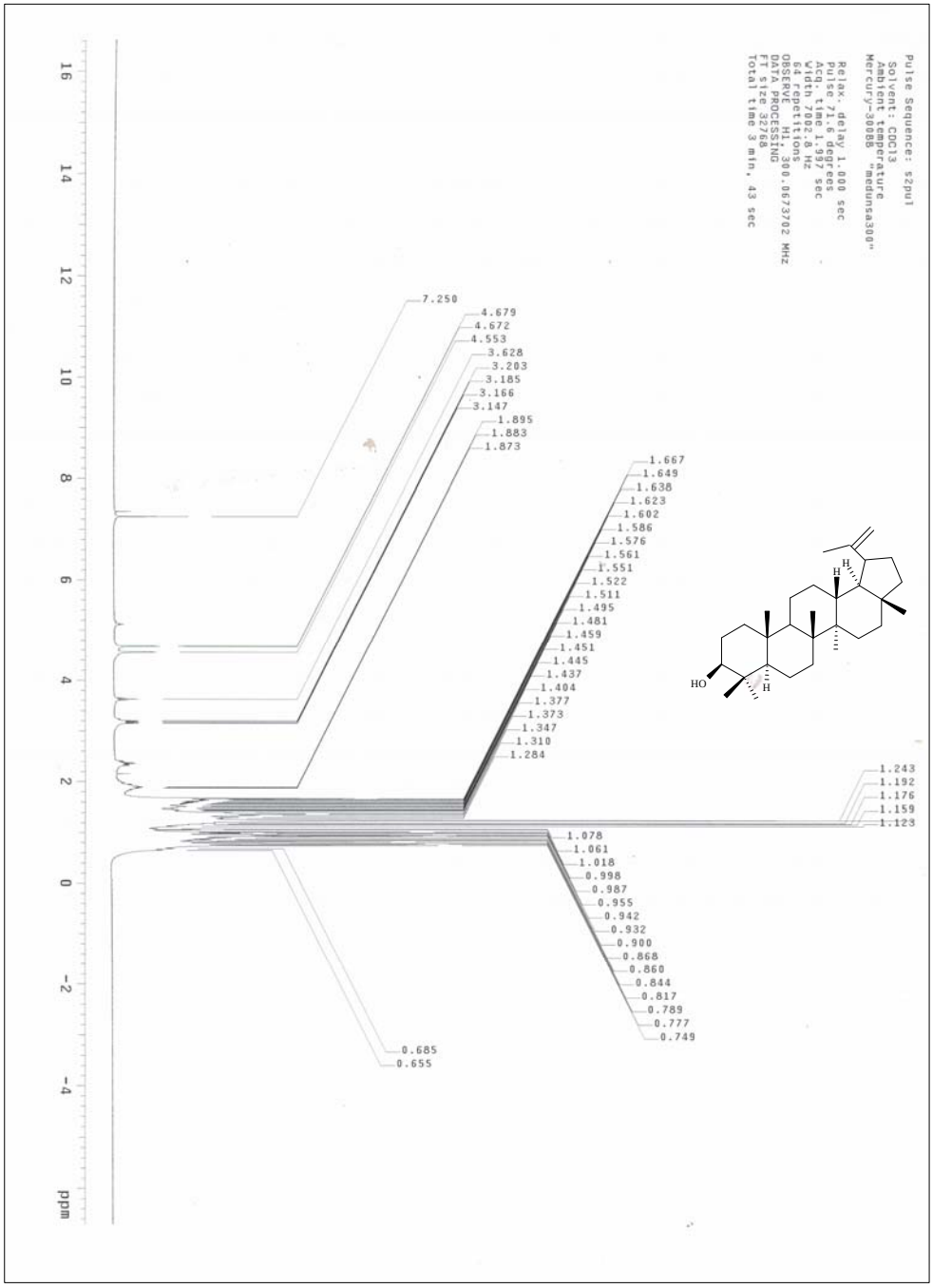

Figure A.1. The ^{1}H NMR spectrum of lupeol (**CI**) isolated from the leaves of *C. dentata.*

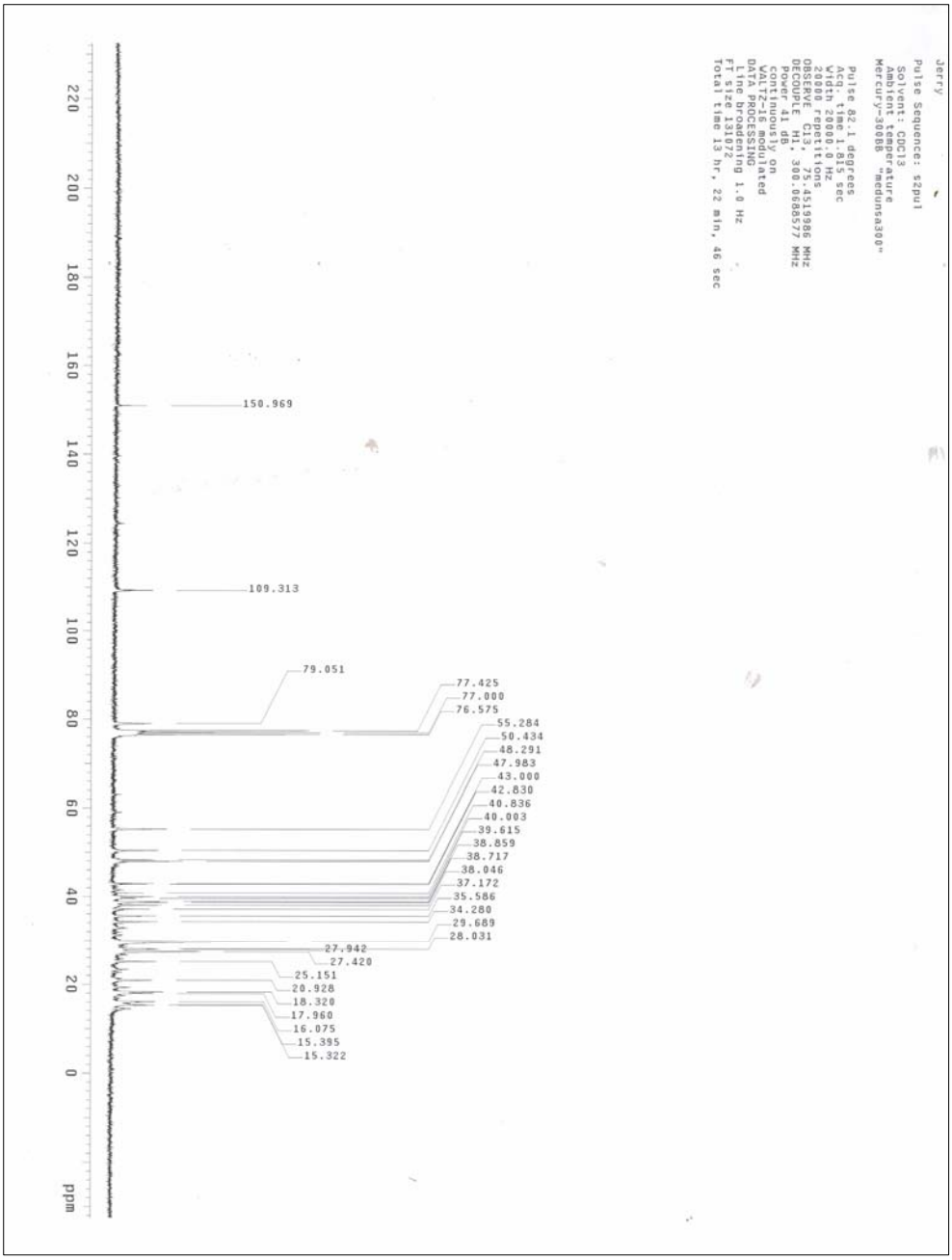

Figure A.2. ^{13}C NMR spectrum of lupeol (**CI**) isolated from leaves of *C. dentata*

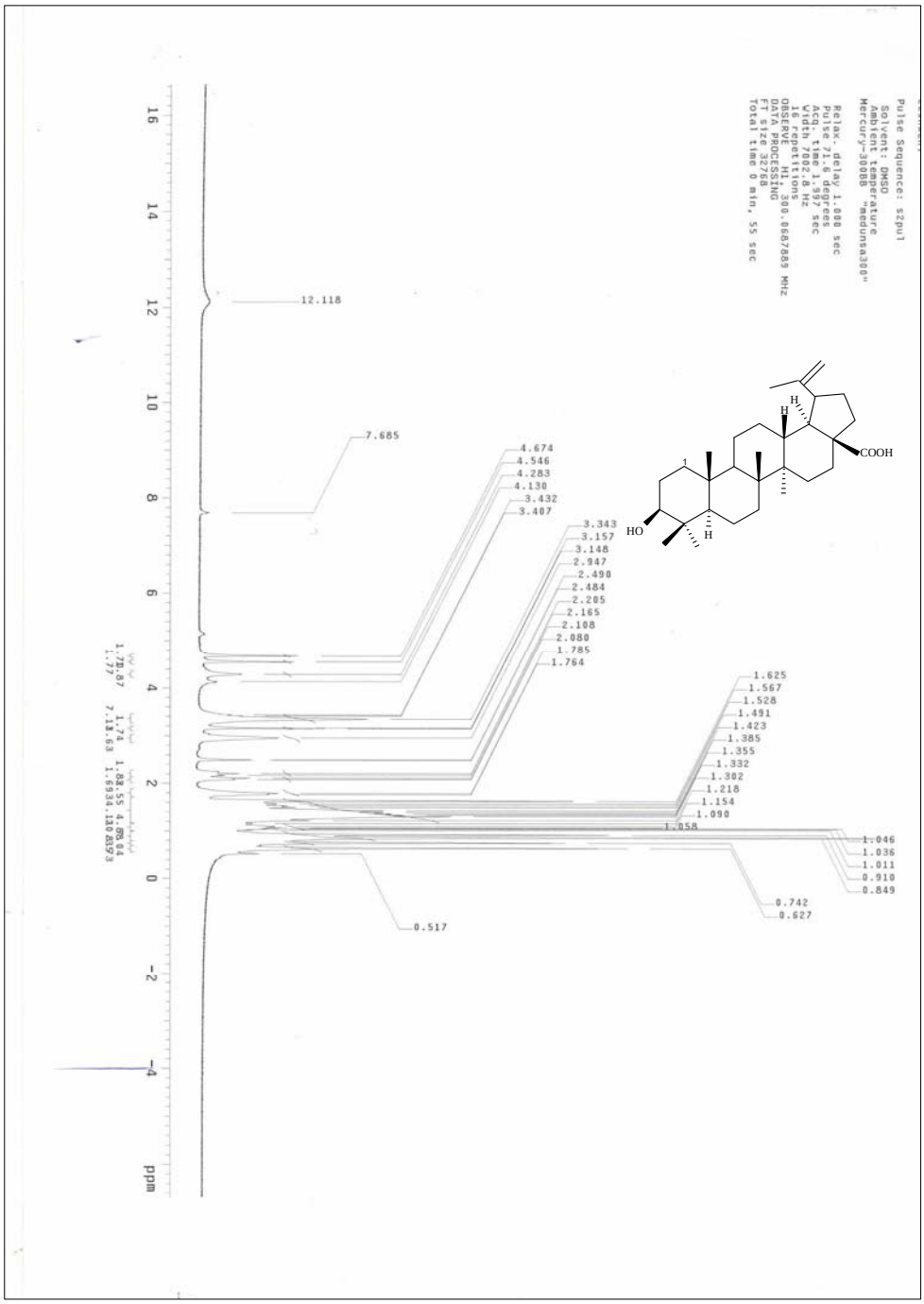

Figure A.3. ^{1}H NMR spectrum of betulinic acid (**CII**) isolated from leaves of *C. dentata.*

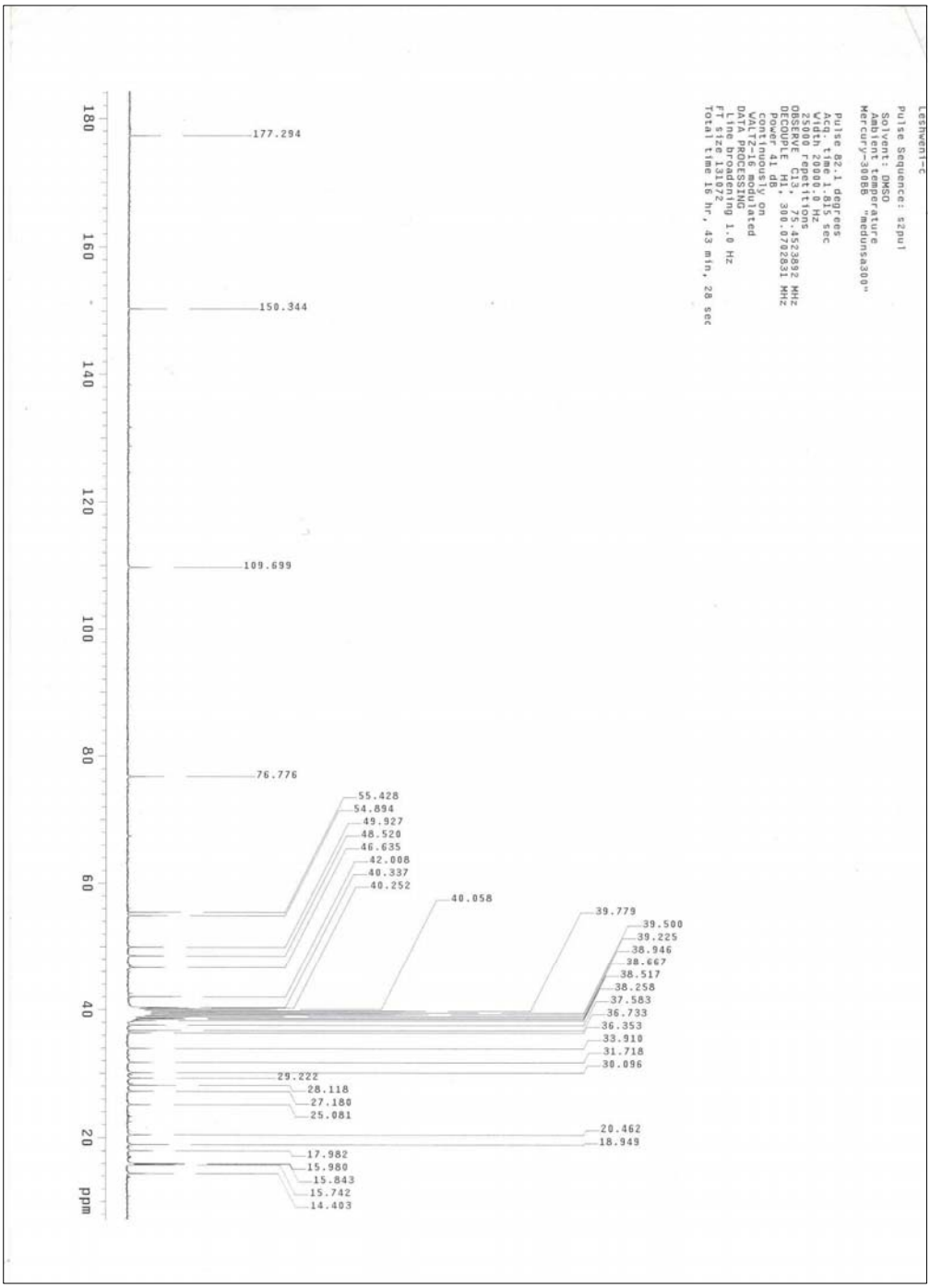

Figure A.4. ^{13}C NMR spectrum of betulinic acid (**CII**) isolated from leaves of *C. dentata.*

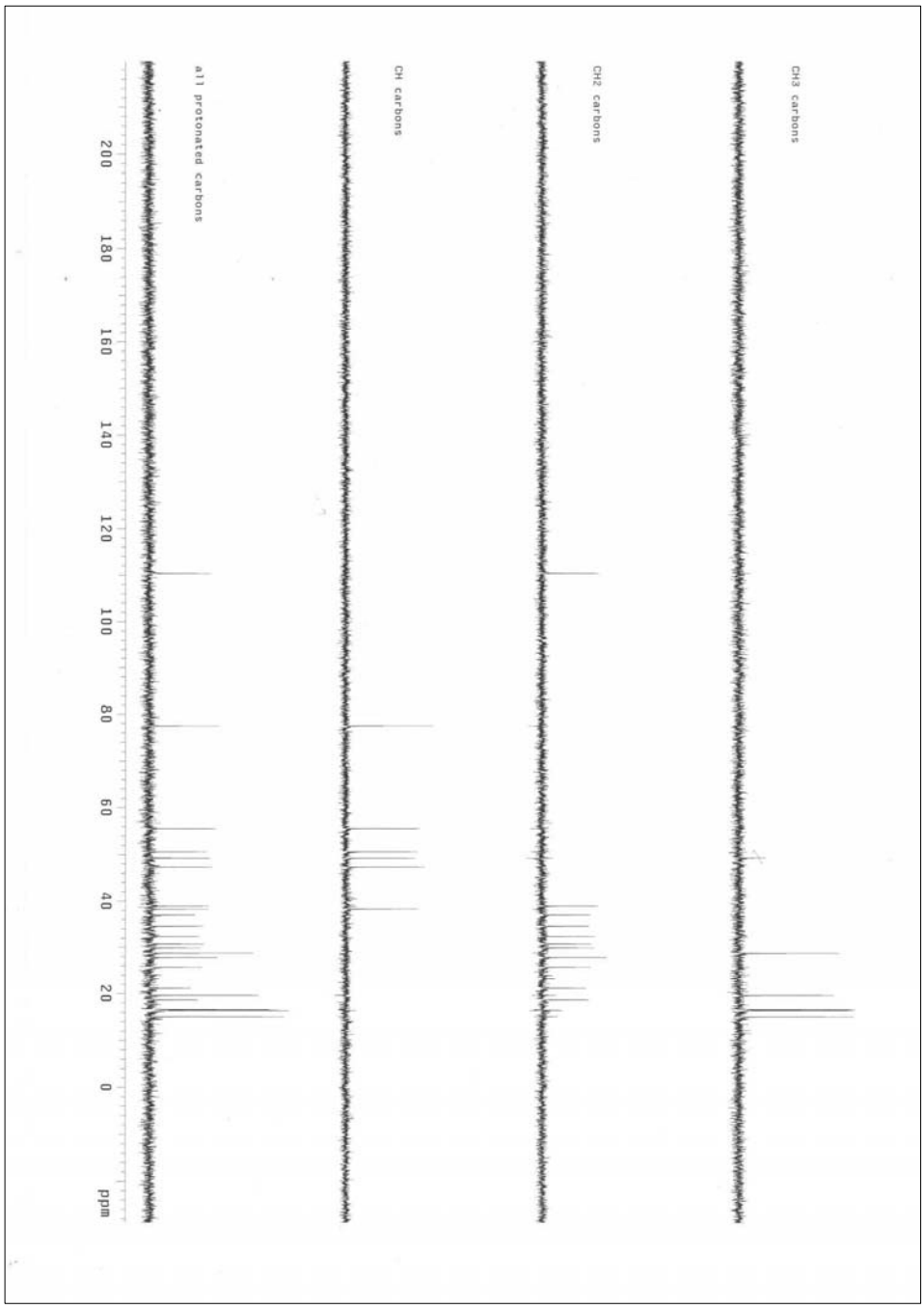

Figure A.5. DEPT experimental data of betulinic acid isolated from the leaves of *C. dentata.*

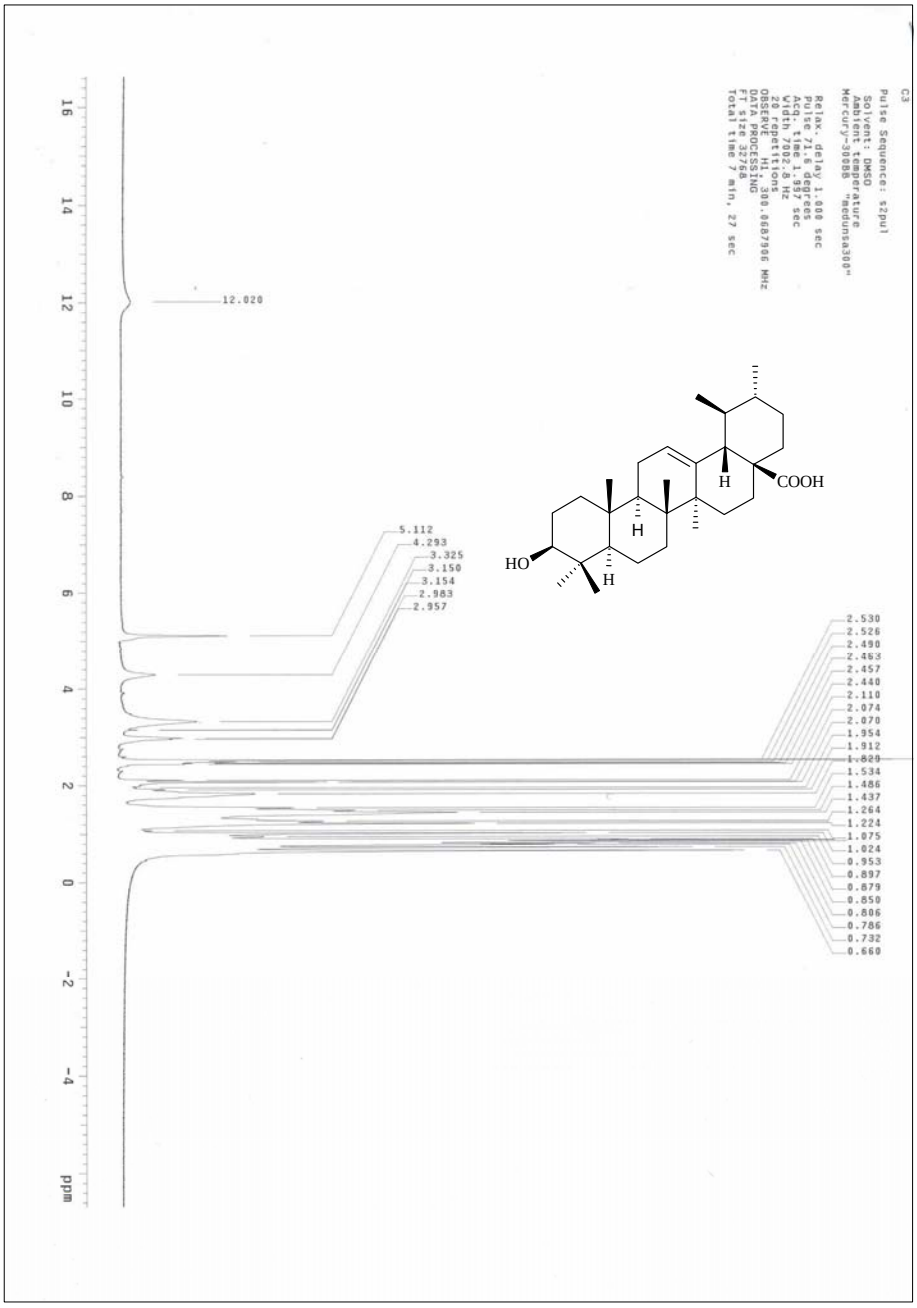

Figure A.6. ^{1}H NMR spectrum of ursolic acid (**CIII**) isolated from the leaves of *C. dentata.*

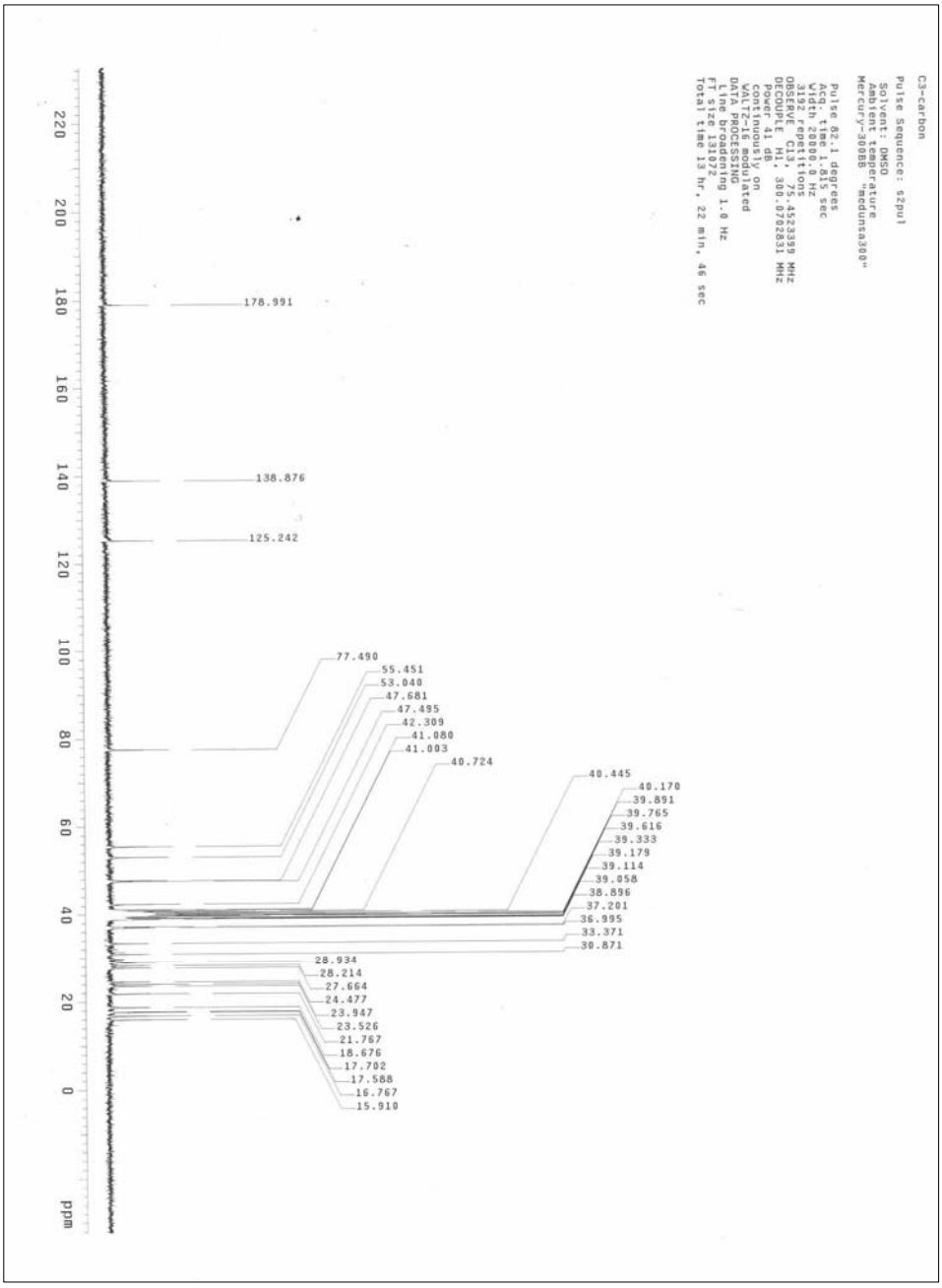

Figure A.7. The ^{13}C NMR spectrum of ursolic acid (**CIII**) isolated from the leaves of *C. dentata.*

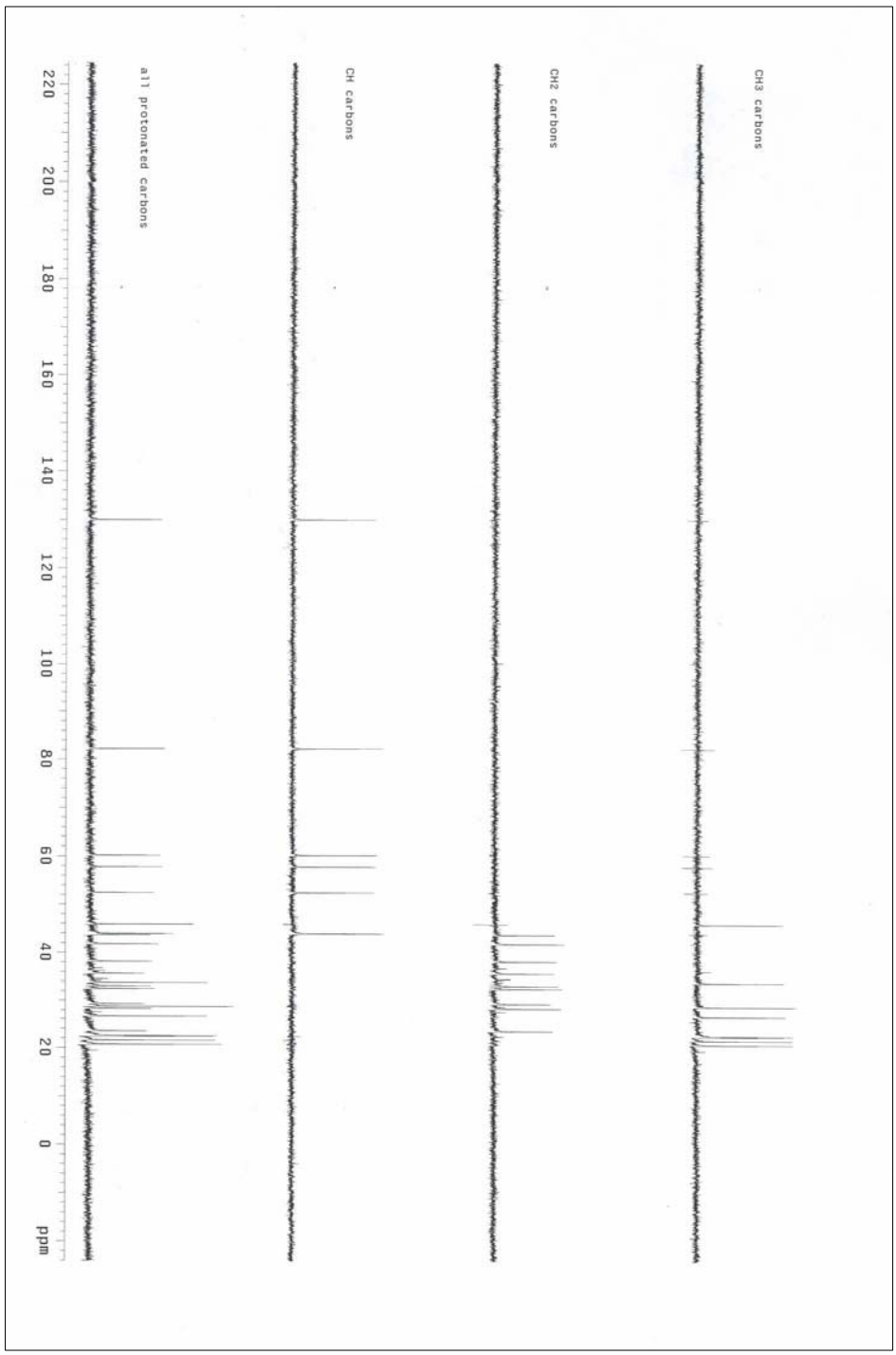

Figure A.8. DEPT experiment data of ursolic acid isolated from *C. dentata.* The DEPT experiment was conducted using $CDCl_3$ as a solvent instead of DMSO.

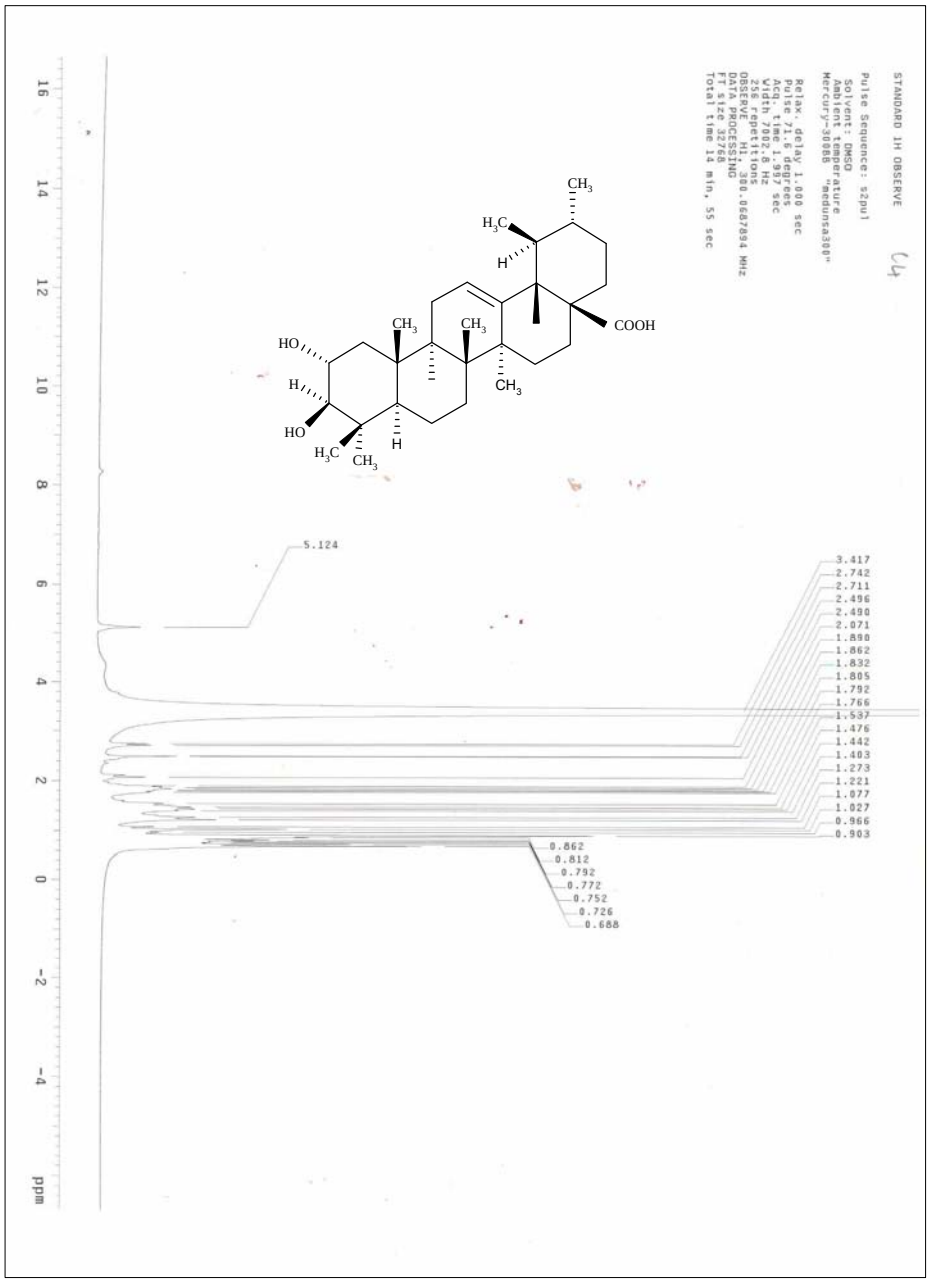

Figure A.9. ^{1}H NMR spectrum of 2α-hydroxy-ursolic acid (**CIV**) isolated from the leaves of *C. dentata.*

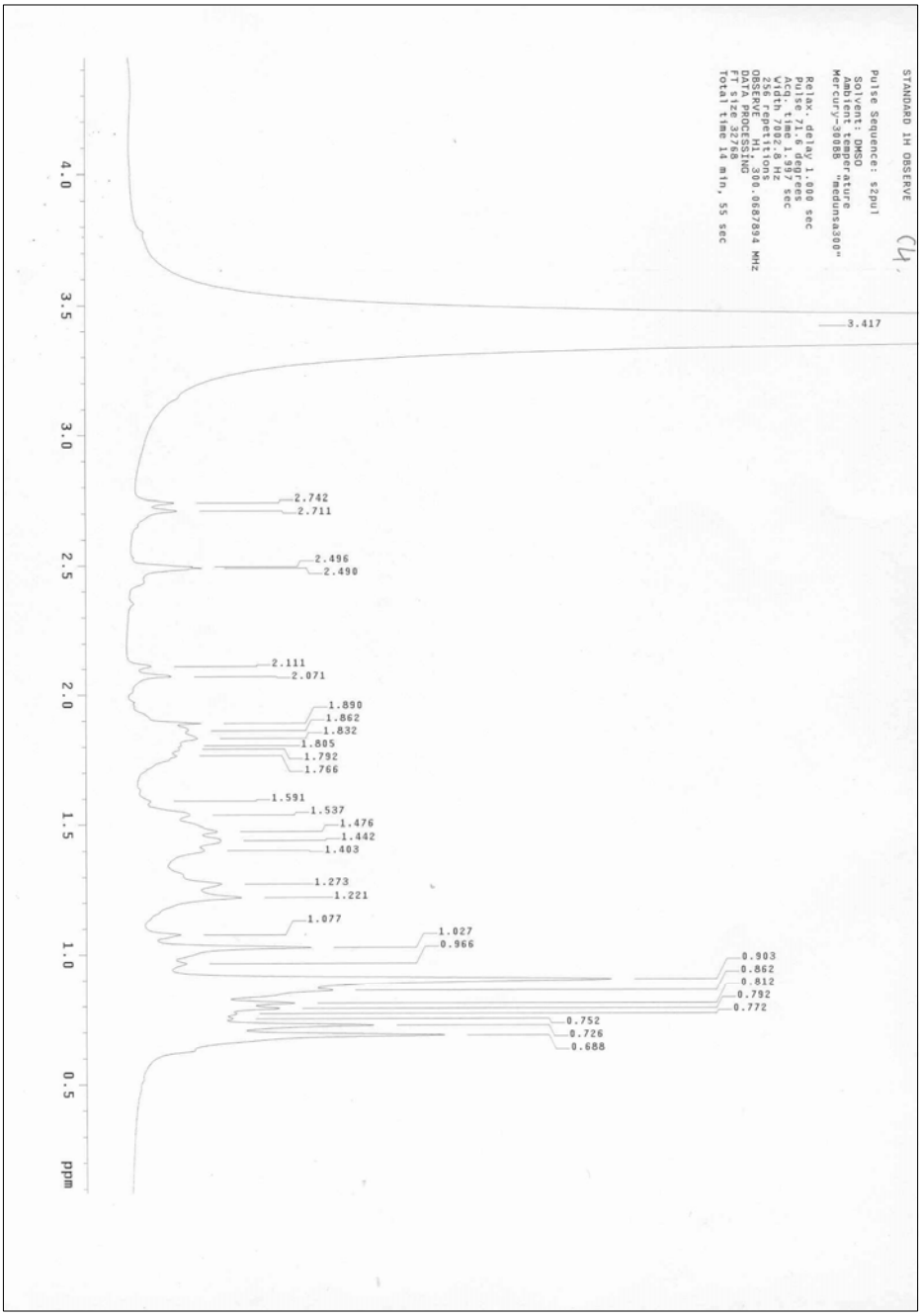

Figure A.10. ^{1}H NMR spectrum expansion showing regions 0.5 – 4.0 ppm.

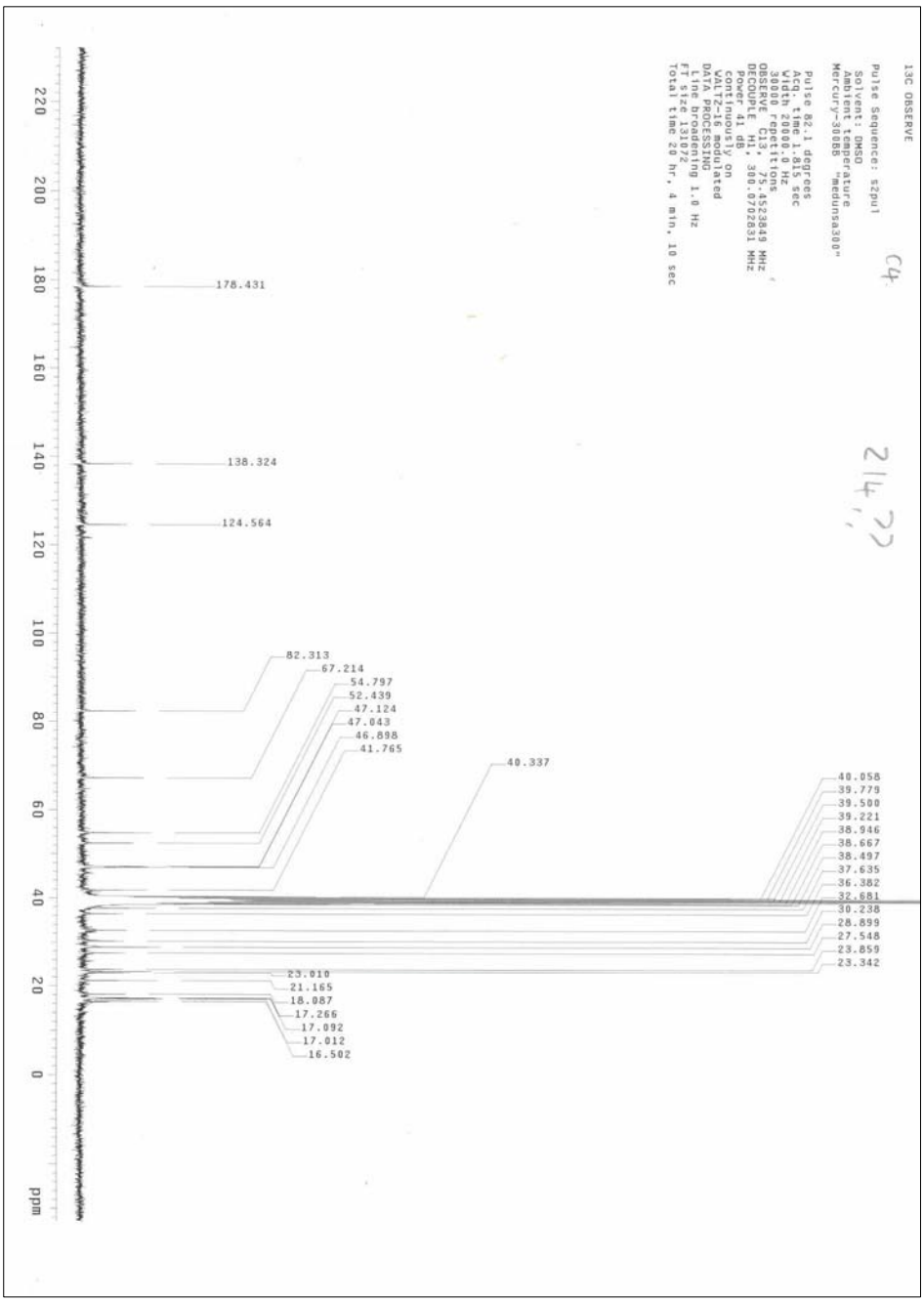

Figure A.11. ^{13}C NMR spectrum of hydroxyl-ursolic acid isolated from the leaves of *C. dentata.*

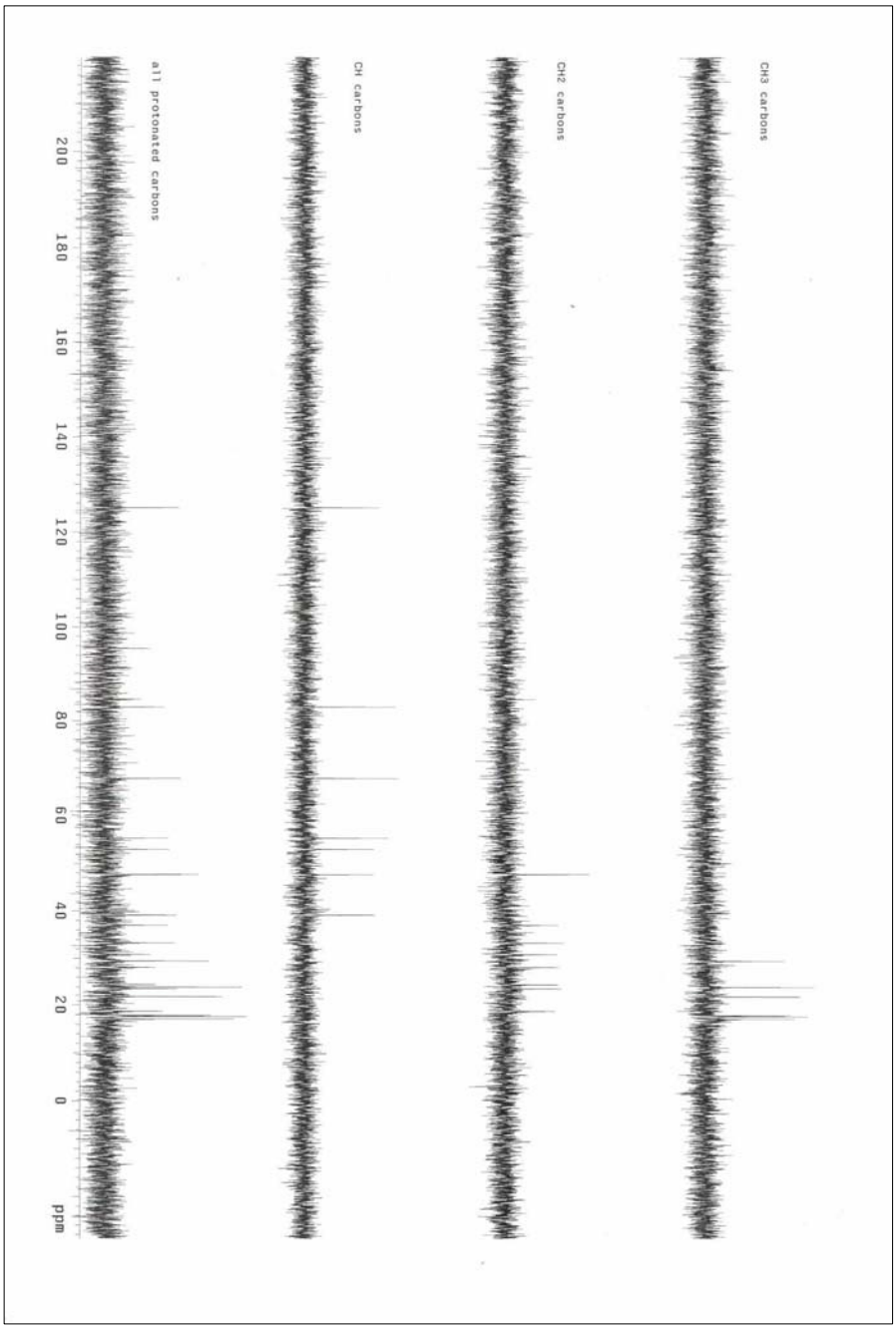

Figure A.12. DEPT experiment data of **CIV** isolated from the leaves of *C. dentata.*