Supporting Information

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Figure S1. Structures of known compounds (**8**–**16**).

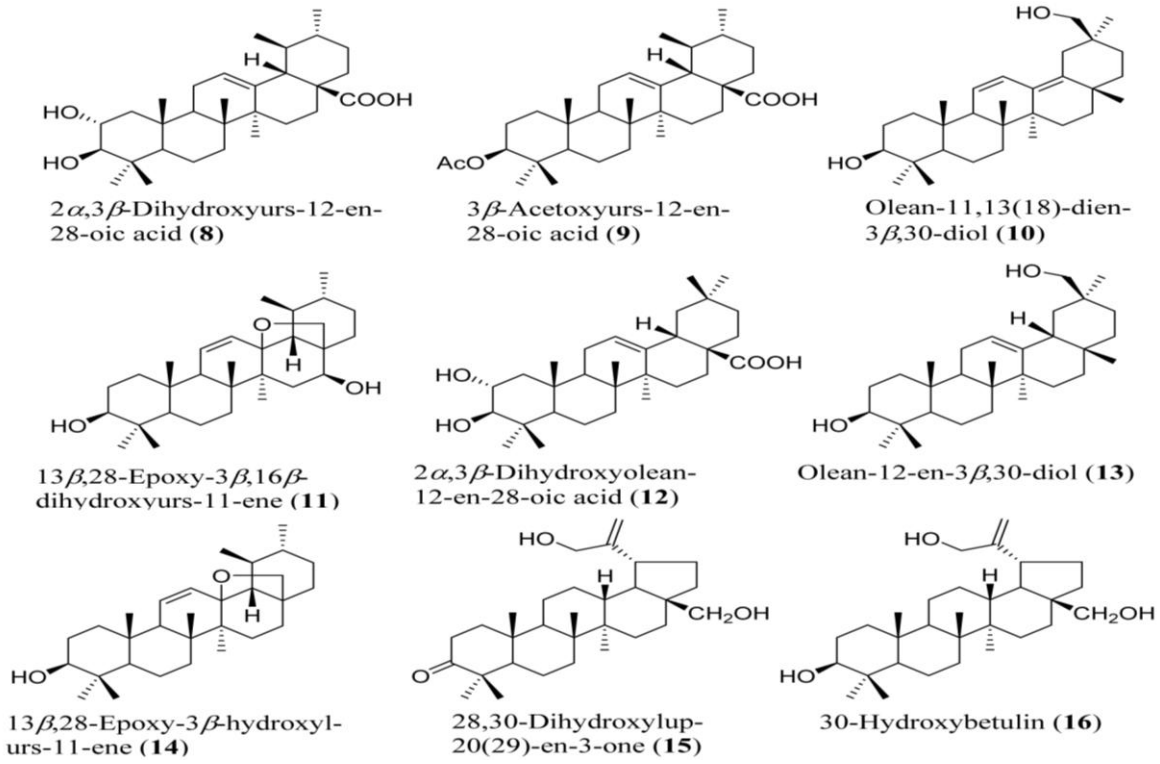

Figure S2. The [1] H-NMR spectrum (C_5D_5N, 400 MHz) of 3*β*,16*β*-dihydroxyurs-12-en-11-one (**1**).

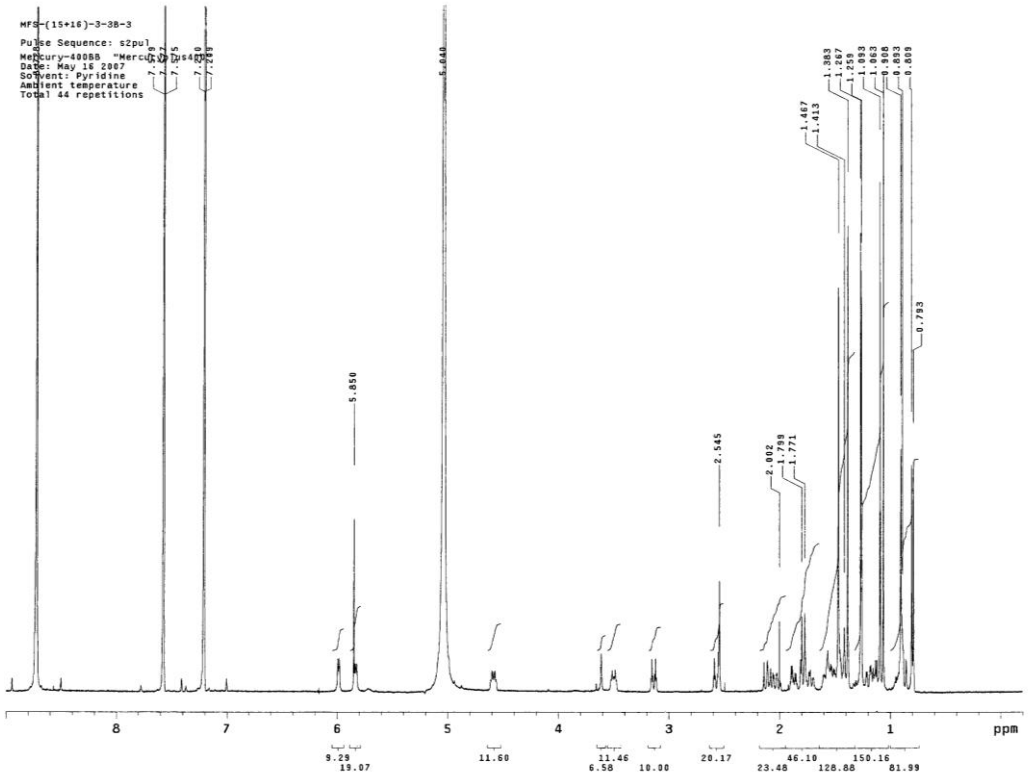

Figure S3. The [13]C-NMR spectrum (C_5D_5N, 100 MHz) of 3*β*,16*β*-dihydroxyurs-12-en-11-one (**1**).

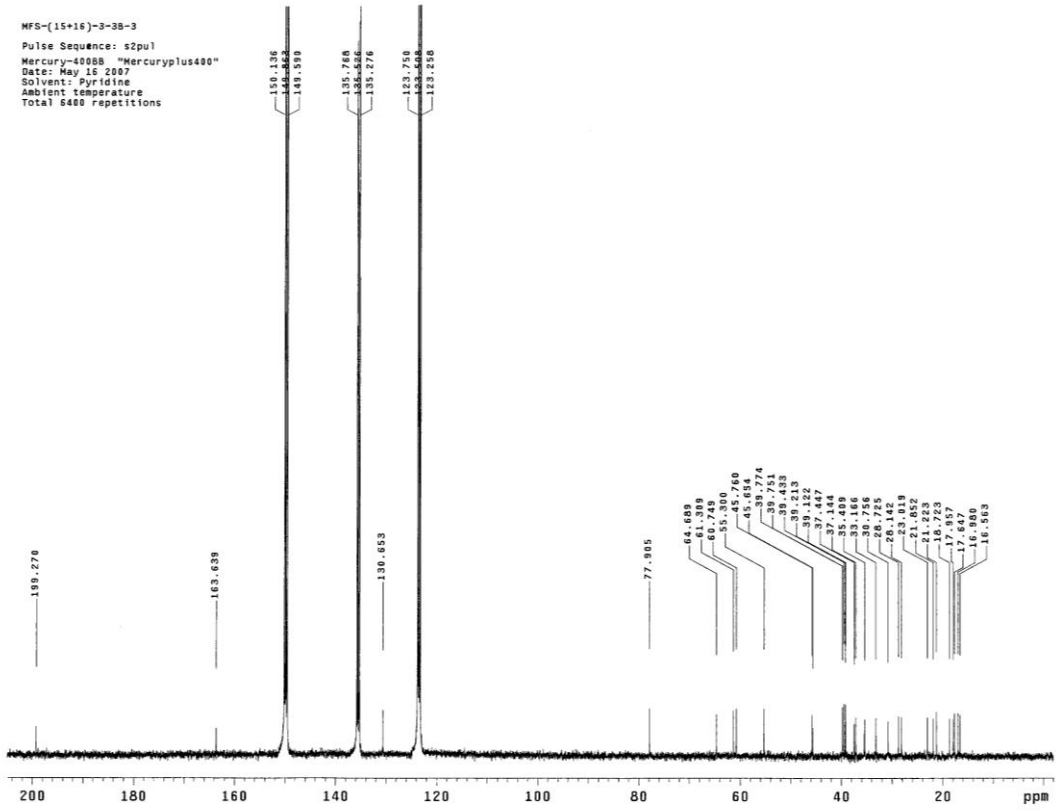

Figure S4. The COSY spectrum of 3*β*,16*β*-dihydroxyurs-12-en-11-one (**1**).

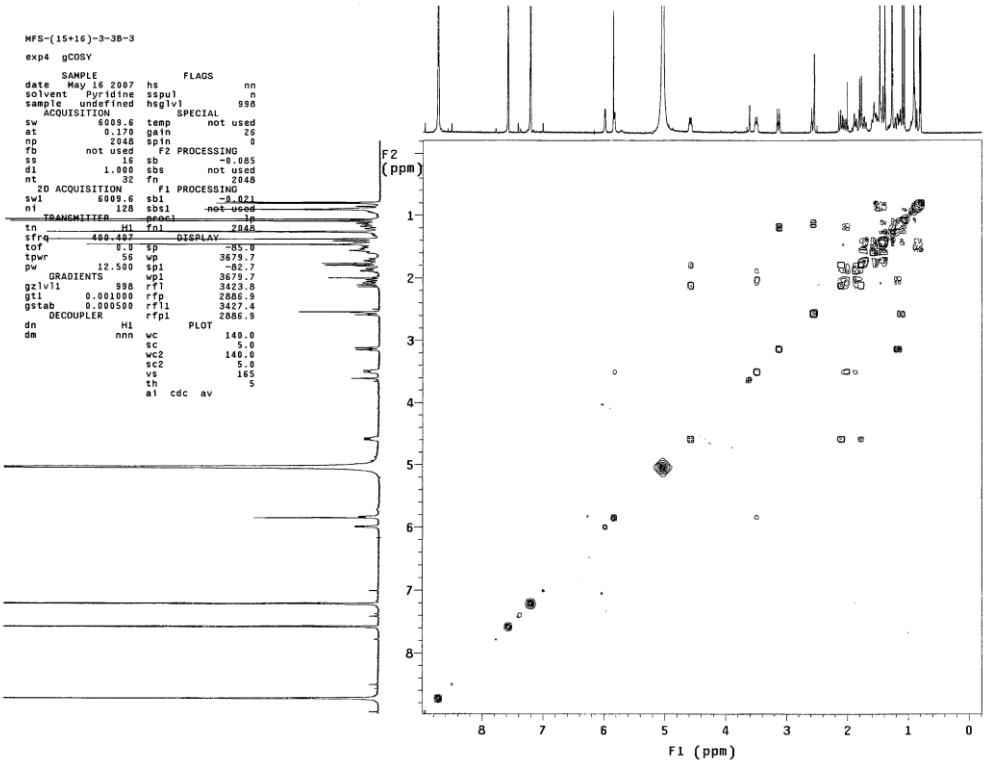

Figure S5. The HMBC spectrum of 3*β*,16*β*-dihydroxyurs-12-en-11-one (**1**).

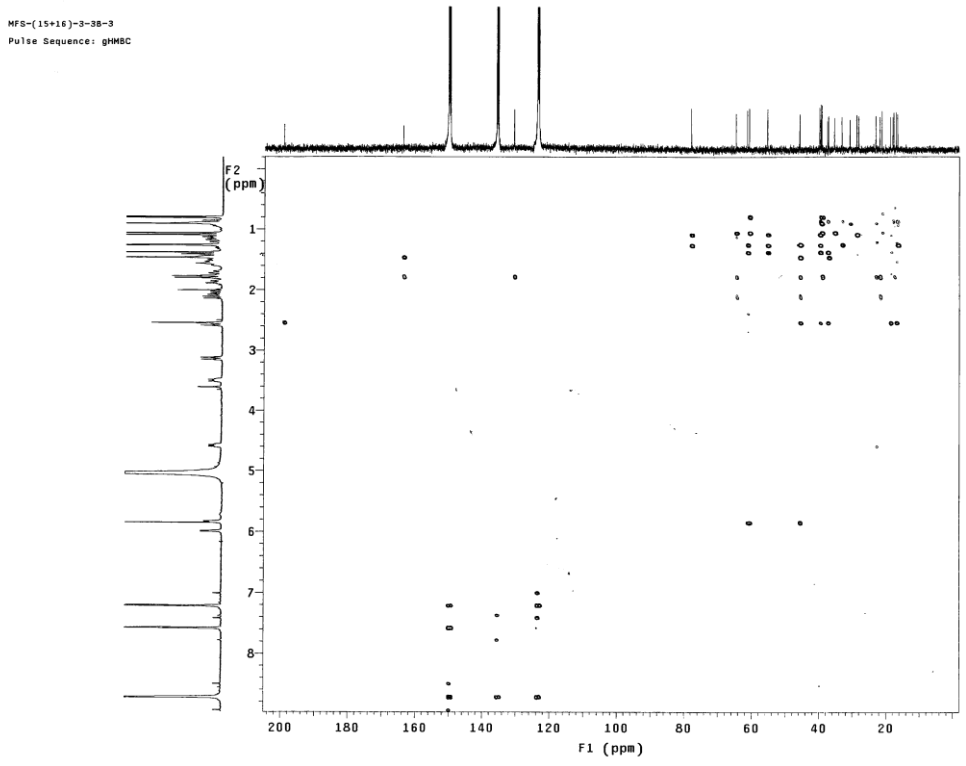

Figure S6. The ^{1}H-NMR spectrum (C_5D_5N, 400 MHz) of 6β,12,23-trihydroxy-11 α-methoxyurs-12-en-3-one (**2**).

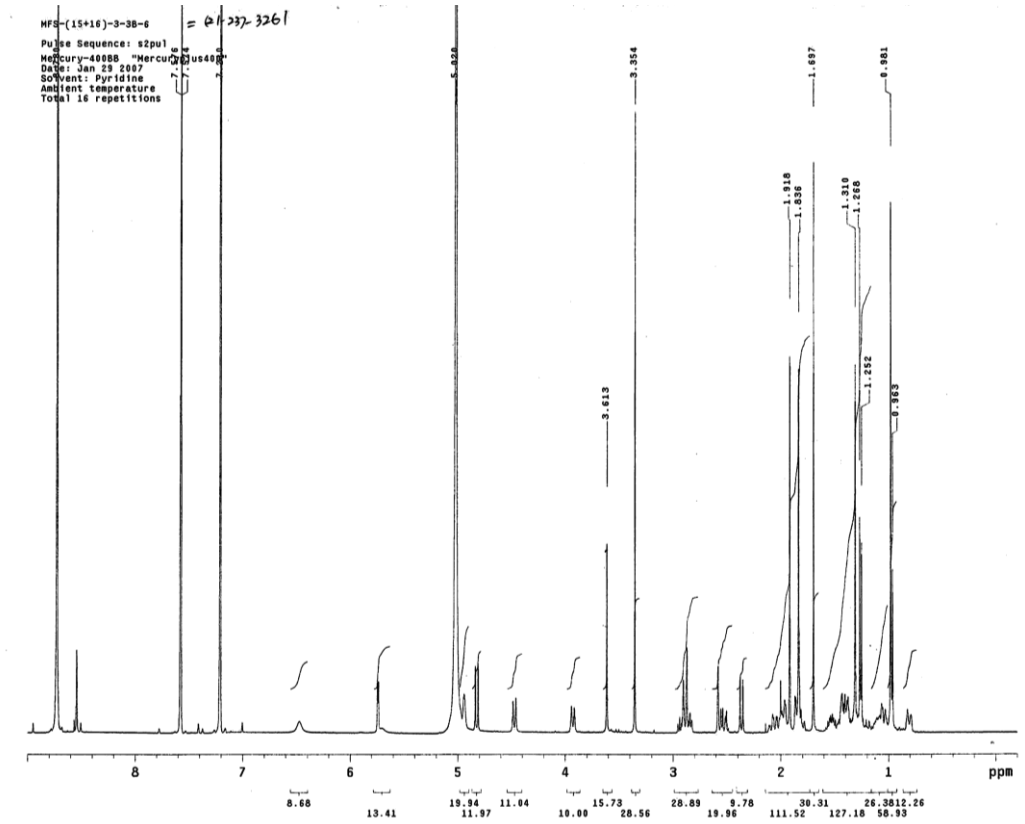

Figure S7. The ^{13}C-NMR spectrum (C_5D_5N, 100 MHz) of 6β,12,23-trihydroxy-11 α-methoxyurs-12-en-3-one (**2**).

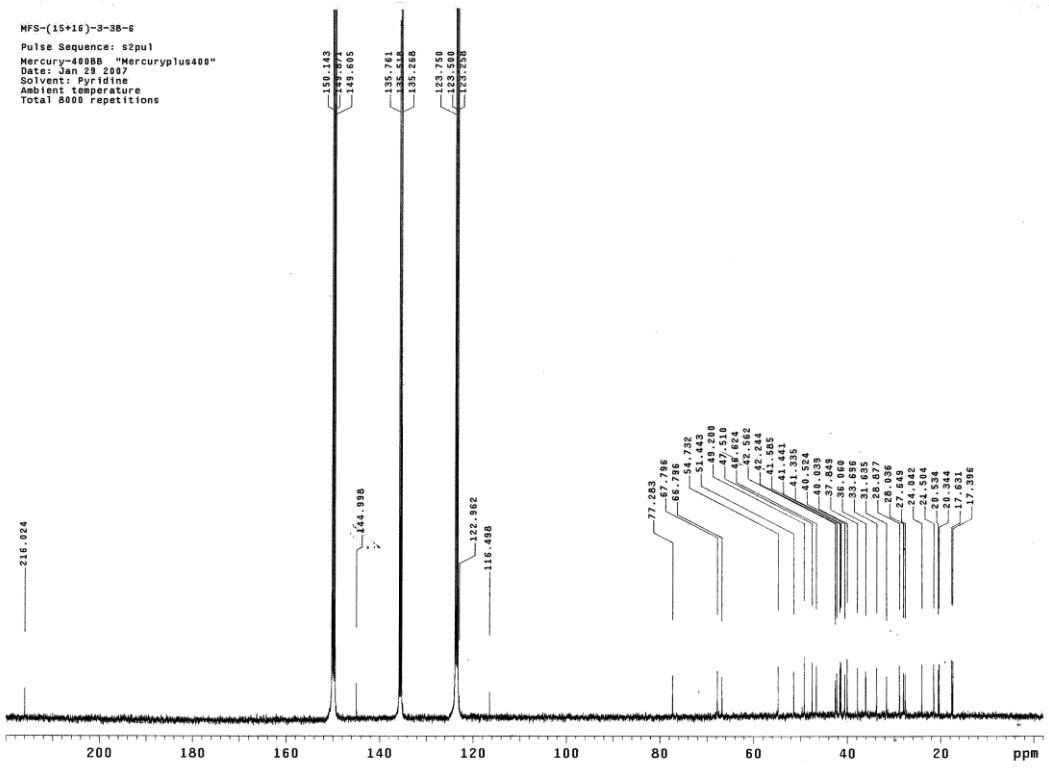

Figure S8. The COSY spectrum of 6*β*,12,23-trihydroxy-11*α*-methoxyurs-12-en-3-one (**2**).

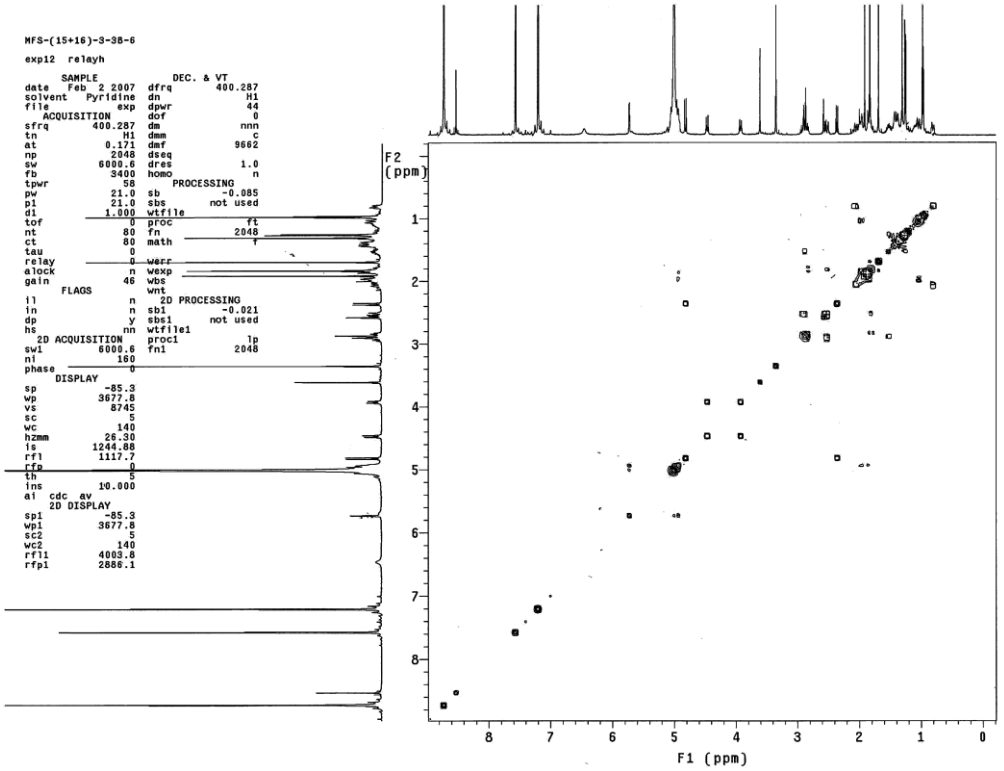

Figure S9. The HMBC spectrum of 6*β*,12,23-trihydroxy-11*α*-methoxyurs-12-en-3-one (**2**).

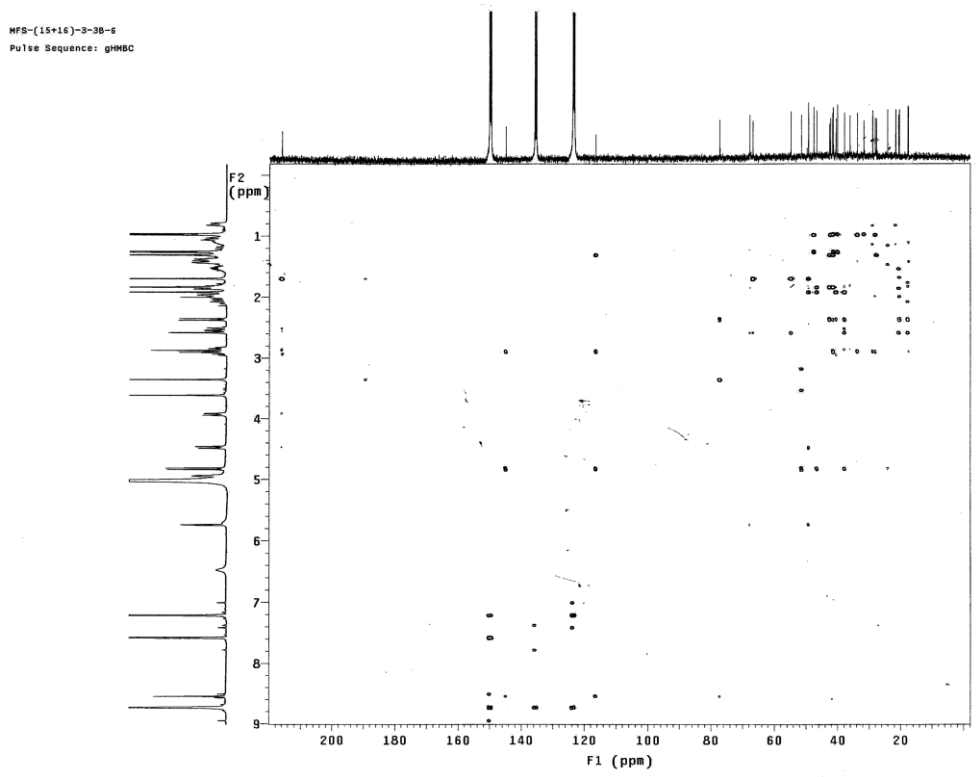

Figure S10. The ^{1}H-NMR spectrum (C_5D_5N, 500 MHz) of 11α,12,16β-trihydroxyurs-12-en-3-one (**3**).

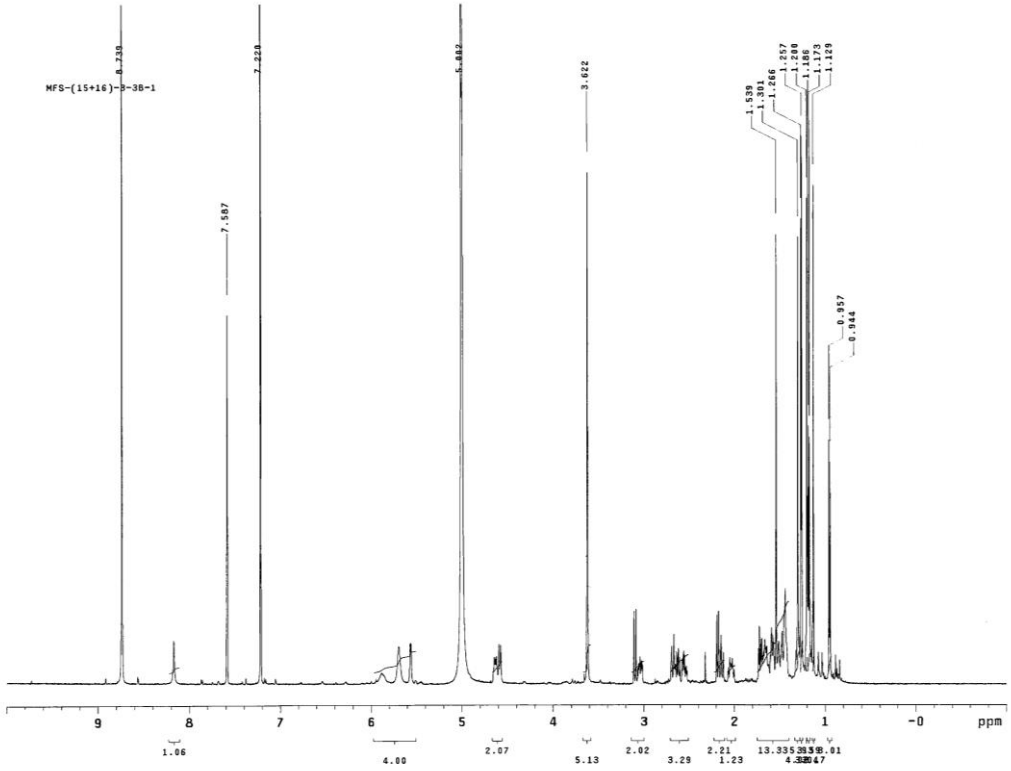

Figure S11. The ^{13}C-NMR spectrum (C_5D_5N, 125 MHz) of 11α,12,16β-trihydroxyurs-12-en-3-one (**3**).

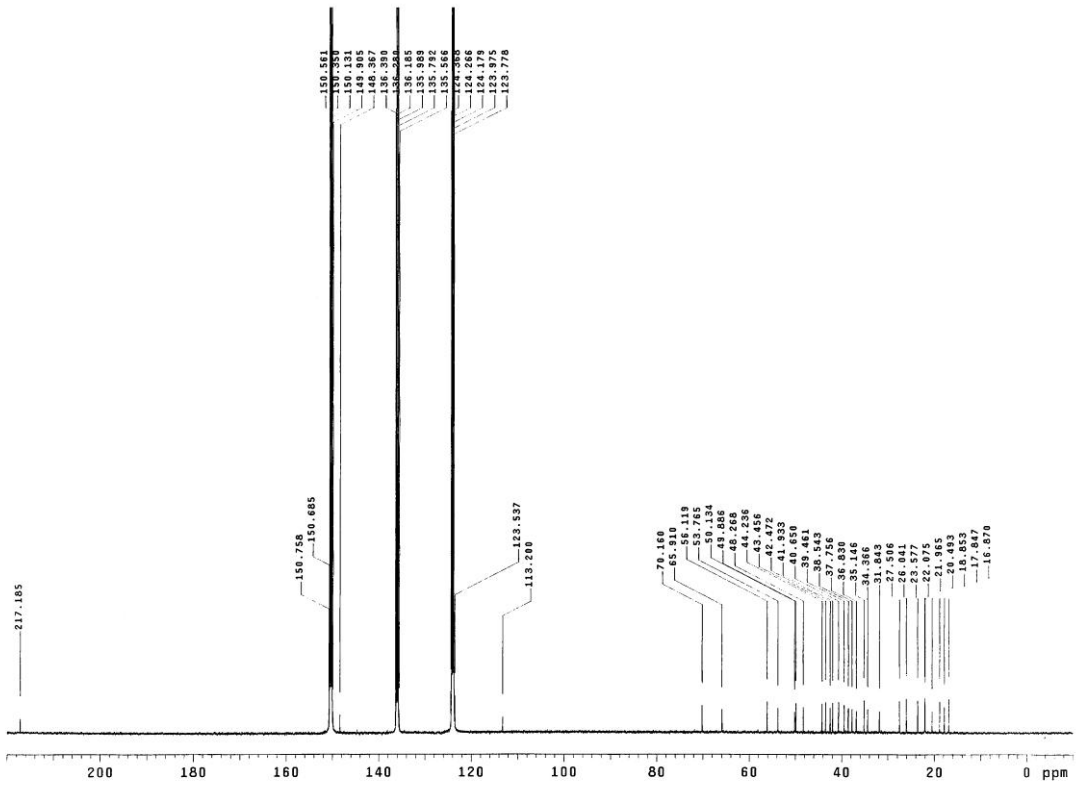

Figure S12. The COSY spectrum of 11α,12,16β-trihydroxyurs-12-en-3-one (**3**).

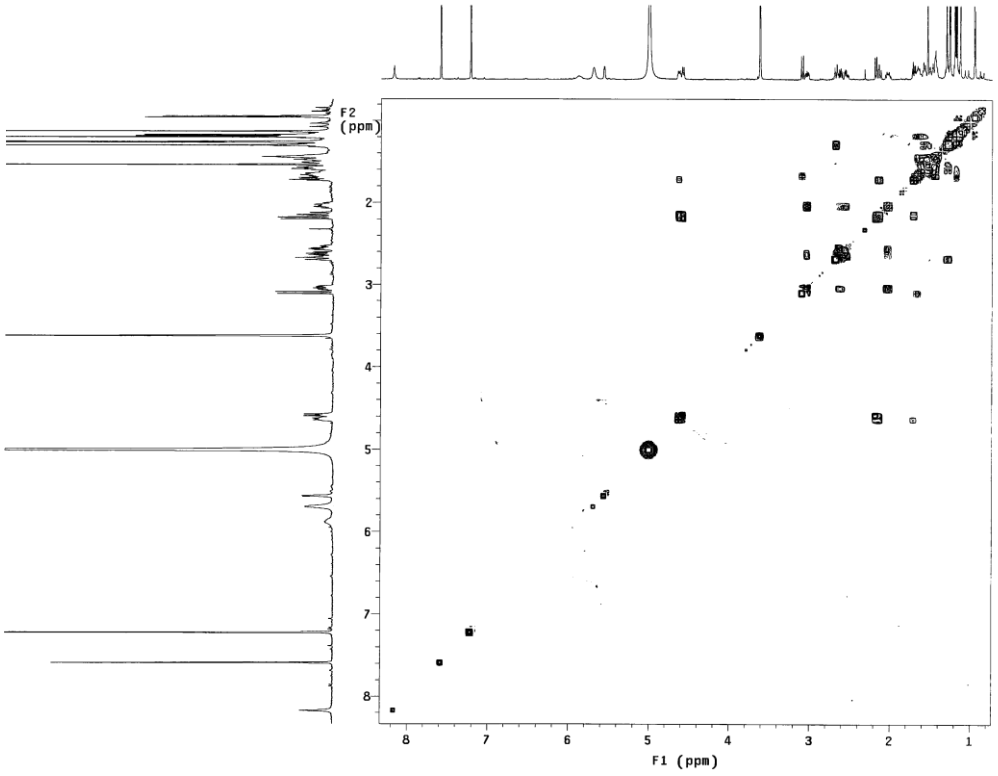

Figure S13. The HMBC spectrum of 11α,12,16β-trihydroxyurs-12-en-3-one (**3**).

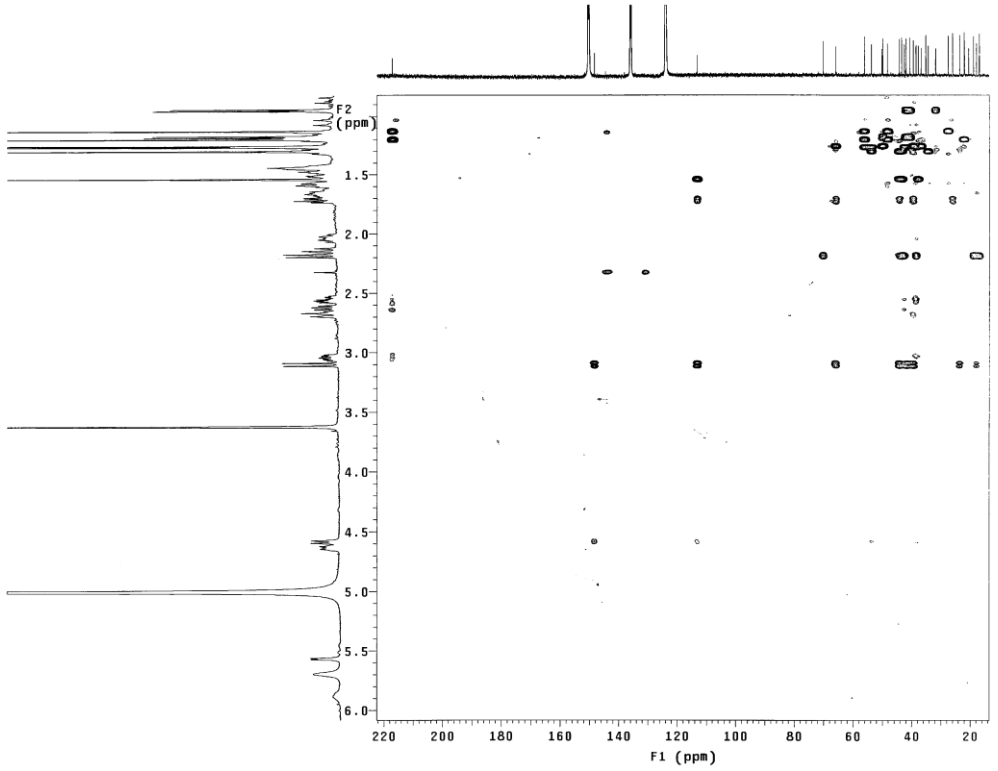

Figure S14. The ^{1}H-NMR spectrum (C_5D_5N, 400 MHz) of 1*α*,3*β*-dihydroxyolean-12-en-11-one (**4**).

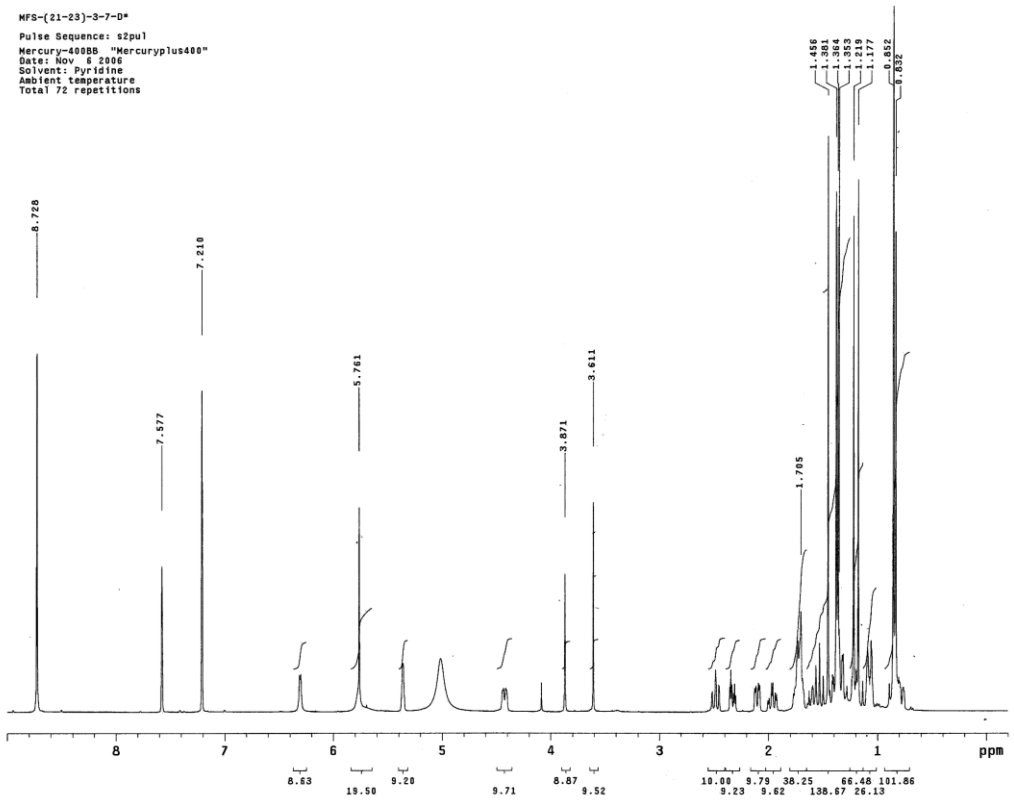

Figure S15. The ^{13}C-NMR spectrum (C_5D_5N, 100 MHz) of 1*α*,3*β*-dihydroxyolean-12-en-11-one (**4**).

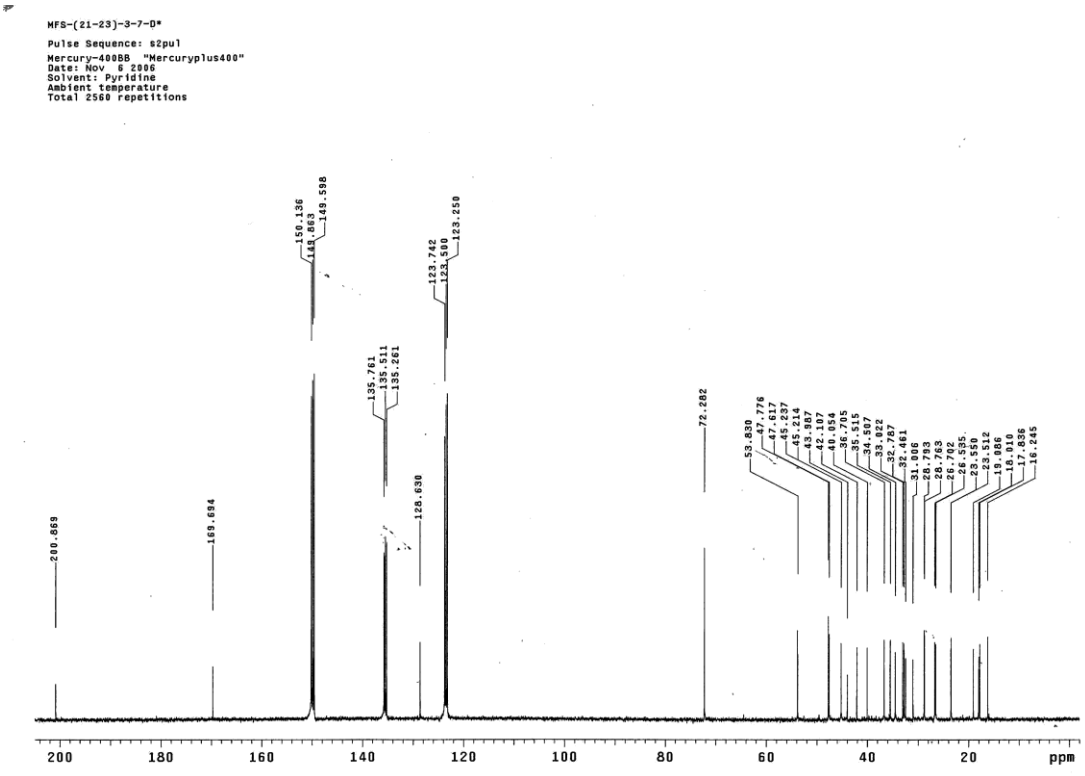

Figure S16. The COSY spectrum of 1*α*,3*β*-dihydroxyolean-12-en-11-one (**4**).

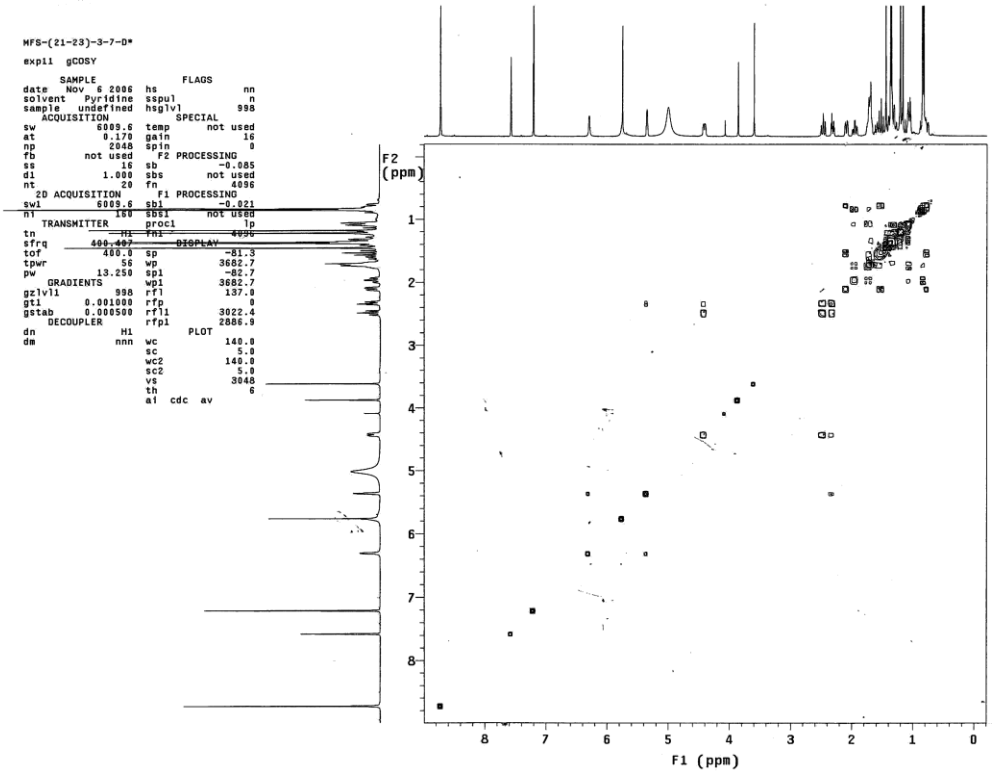

Figure S17. The HMBC spectrum of 1*α*,3*β*-dihydroxyolean-12-en-11-one (**4**).

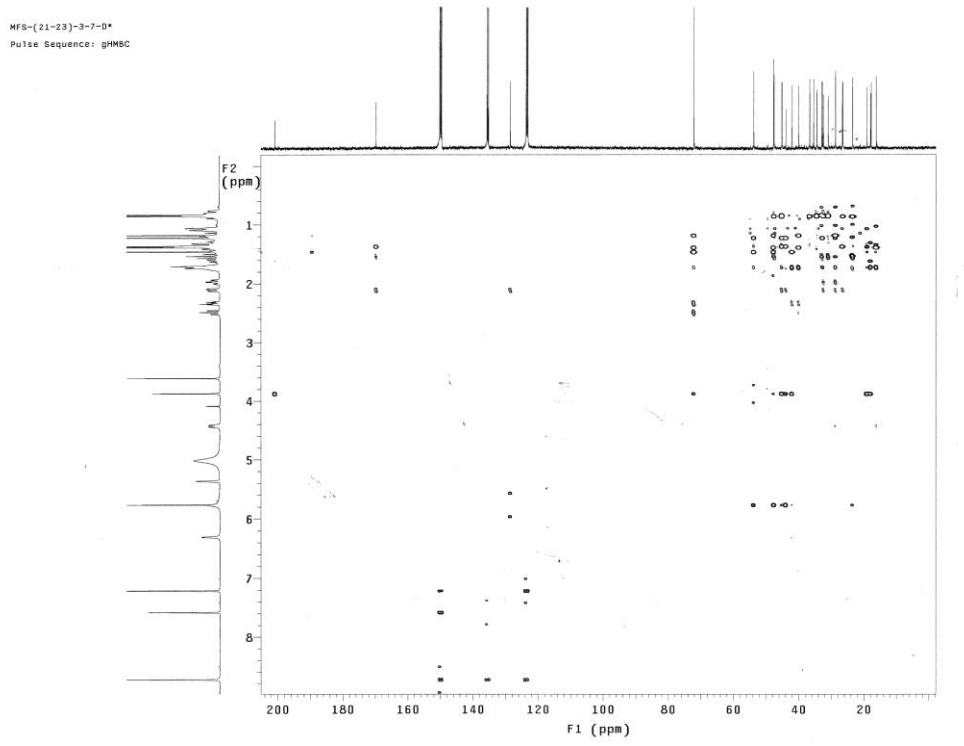

Figure S18. The ^{1}H-NMR spectrum (C_5D_5N, 400 MHz) of 30-hydroxyolean-12-en-3, 11-dione (**5**).

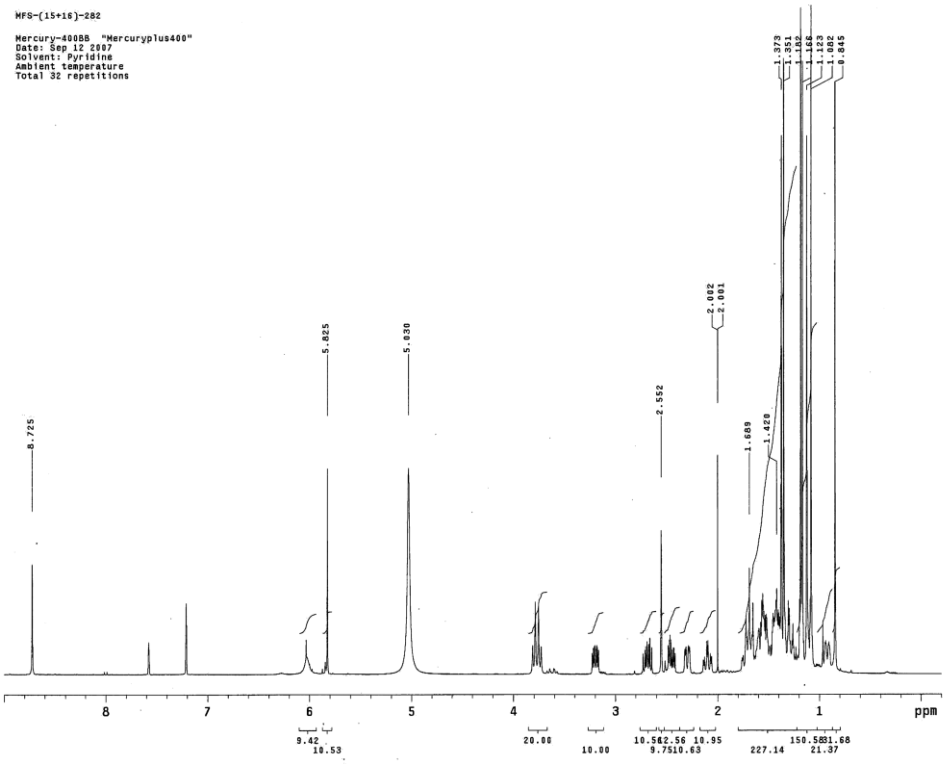

Figure S19. The ^{13}C-NMR spectrum (C_5D_5N, 100 MHz) of 30-hydroxyolean-12-en-3, 11-dione (**5**).

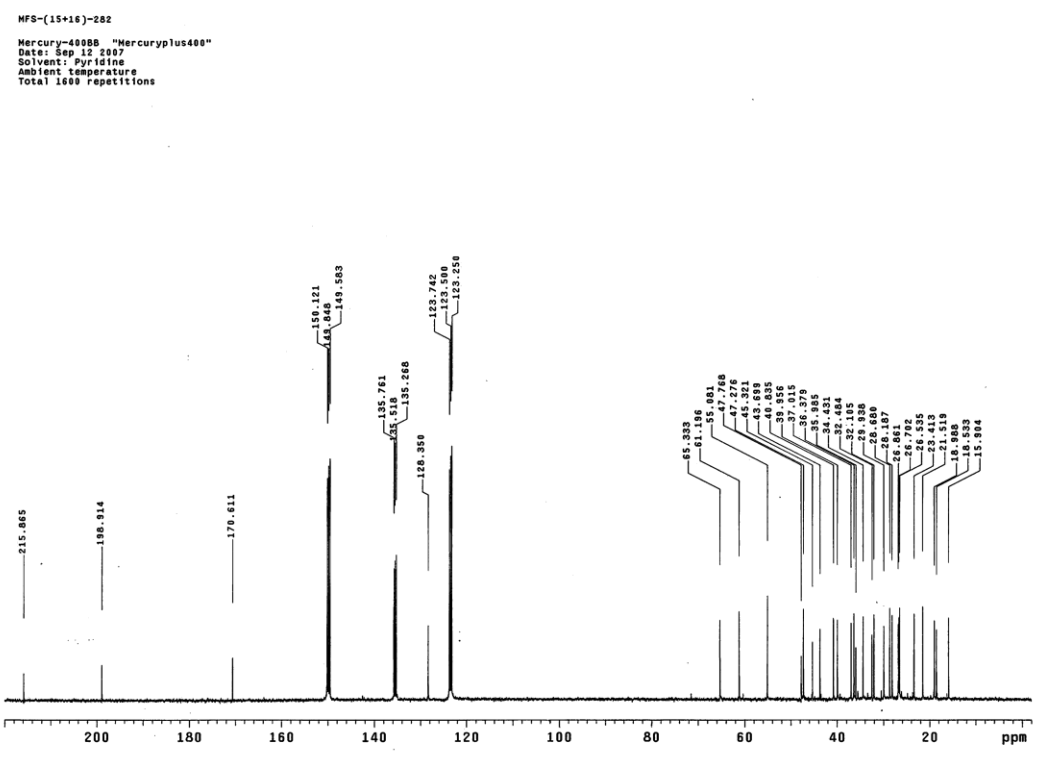

Figure S20. The COSY spectrum of 30-hydroxyolean-12-en-3,11-dione (**5**).

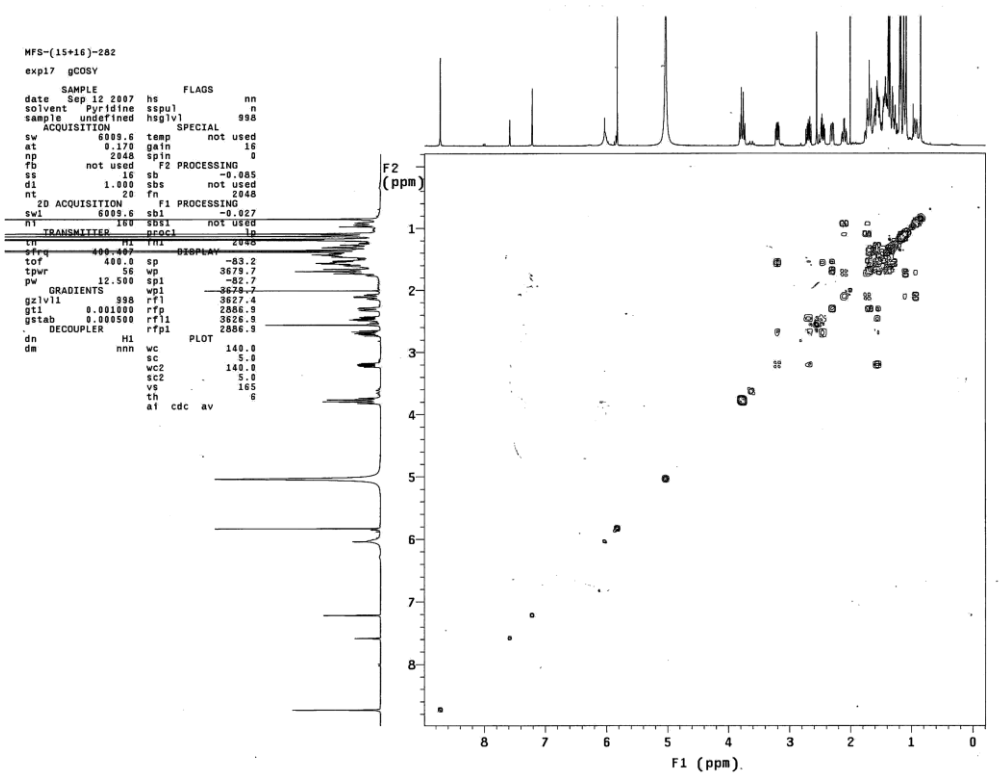

Figure S21. The HMBC spectrum of 30-hydroxyolean-12-en-3,11-dione (**5**).

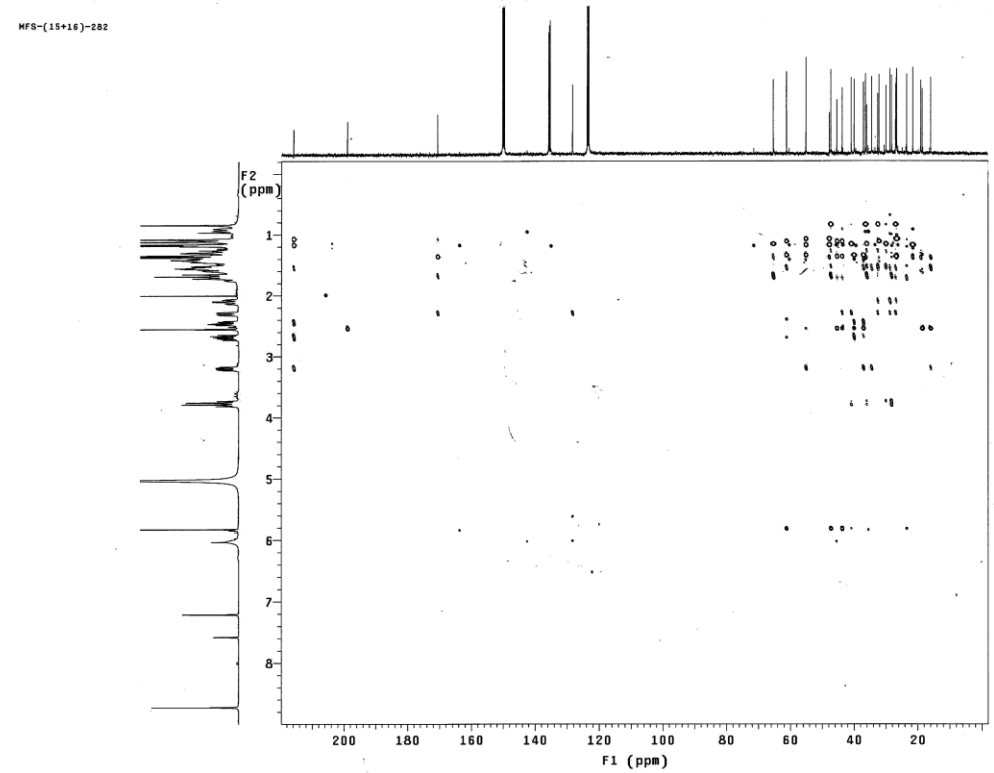

Figure S22. The ^{1}H-NMR spectrum (C_5D_5N, 400 MHz) of 3*β*,28-dihydroxyolean-18-en-1-one (**6**).

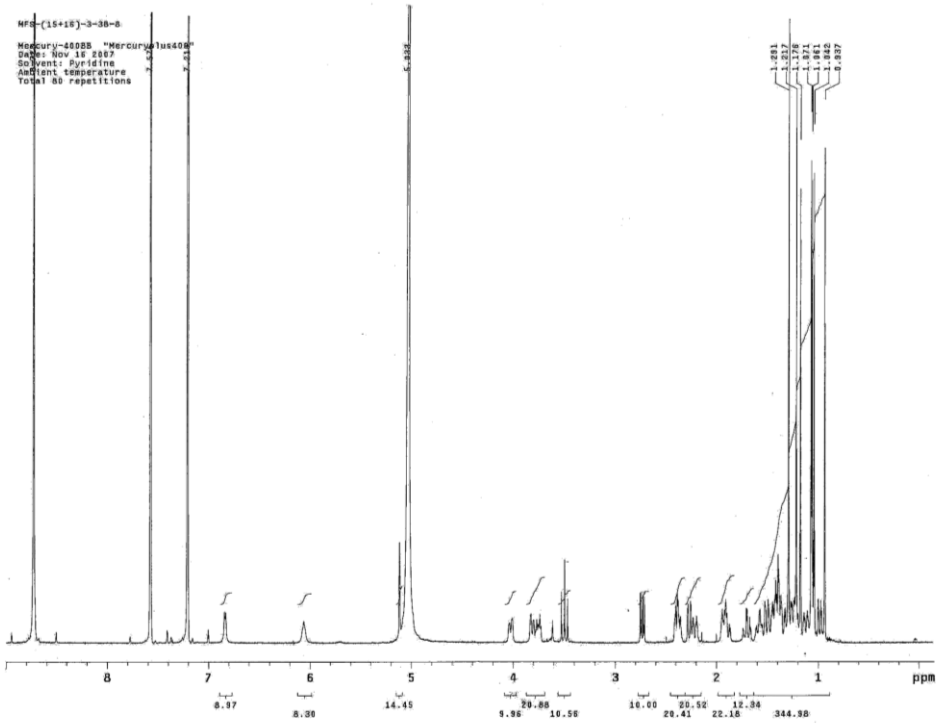

Figure S23. The ^{13}C-NMR spectrum (C_5D_5N, 100 MHz) of 3*β*,28-dihydroxyolean-18-en-1-one (**6**).

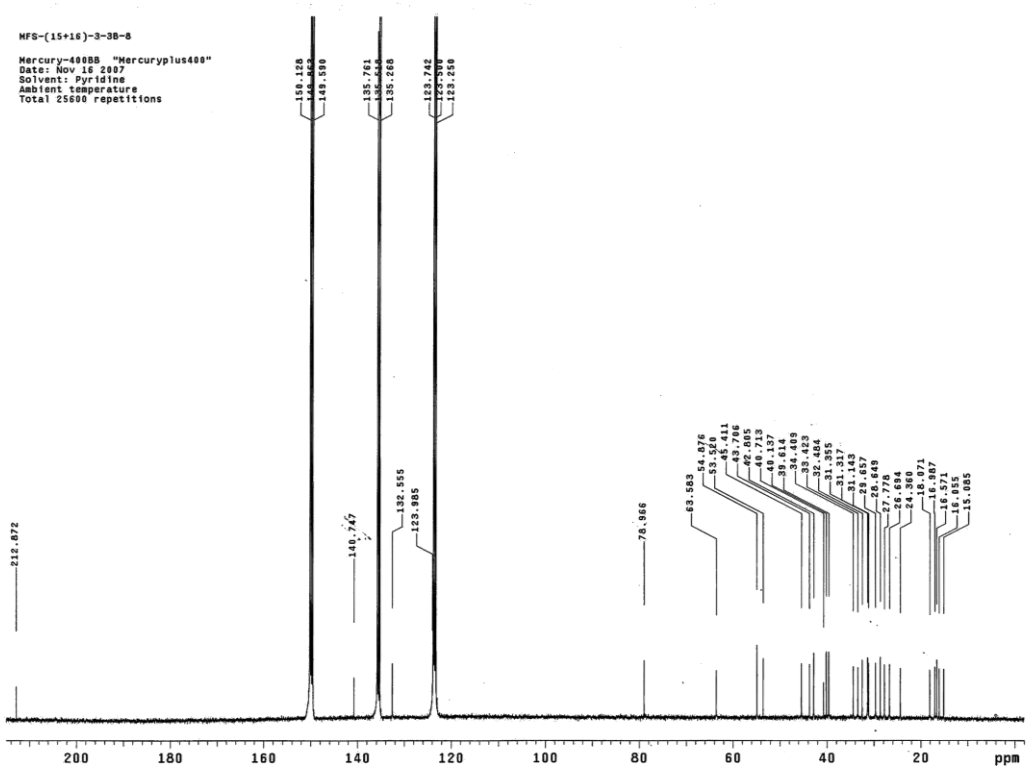

Figure S24. The COSY spectrum of 3*β*,28-dihydroxyolean-18-en-1-one (**6**).

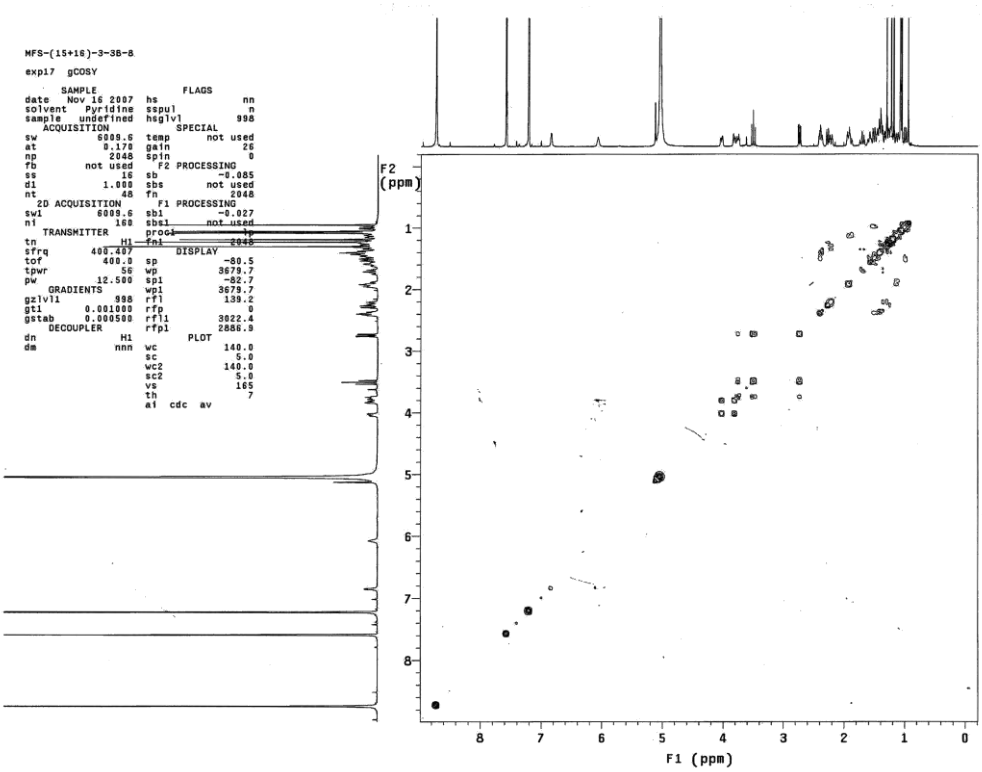

Figure S25. The HMBC spectrum of 3*β*,28-dihydroxyolean-18-en-1-one (**6**).

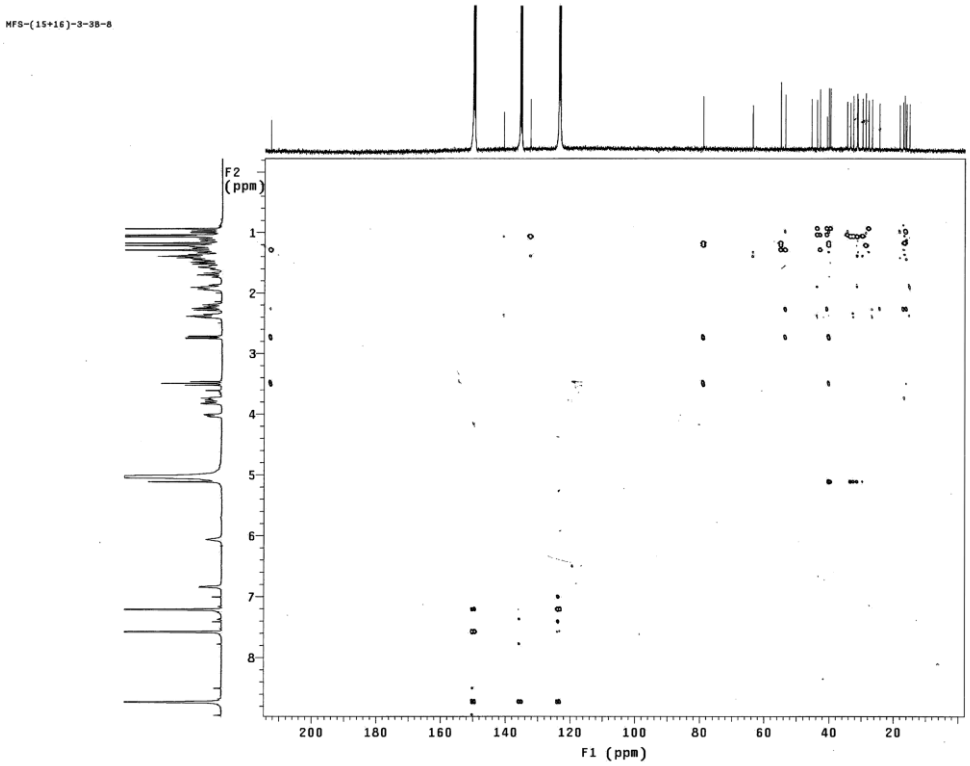

Figure S26. The ^{1}H-NMR spectrum (C_5D_5N, 400 MHz) of 11α,30-dihydroxy-2, 3-*seco*-olean-12-en-2,3-dioic anhydride (**7**).

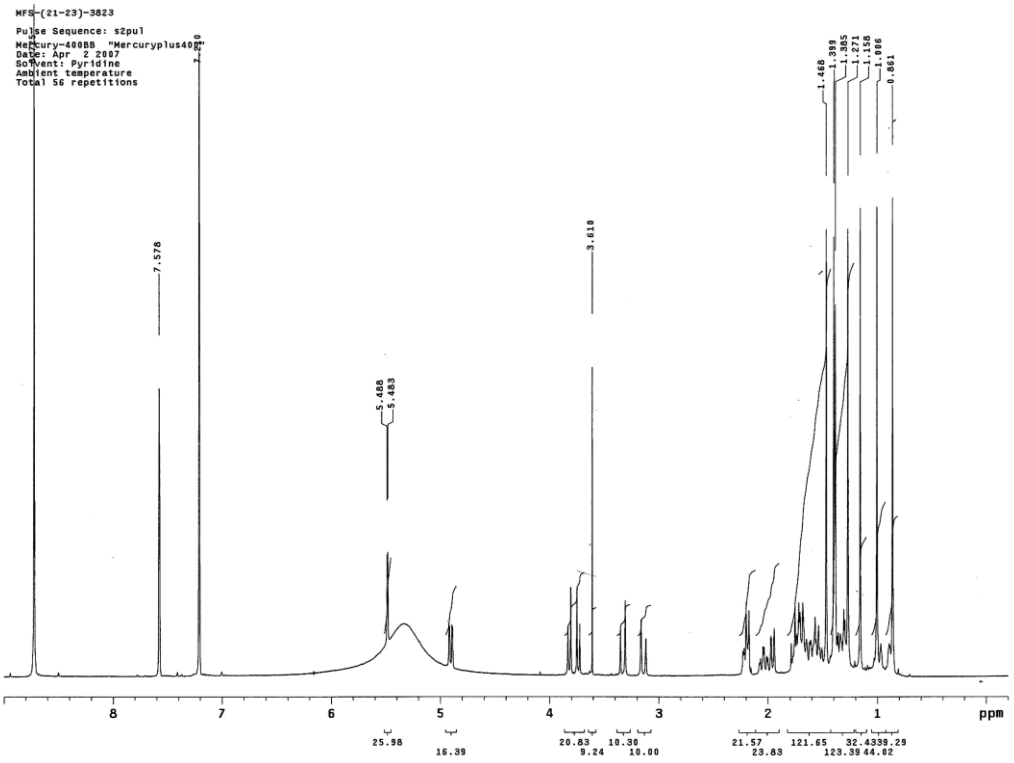

Figure S27. The ^{13}C-NMR spectrum (C_5D_5N, 100 MHz) of 11α,30-dihydroxy-2, 3-*seco*-olean-12-en-2,3-dioic anhydride (**7**).

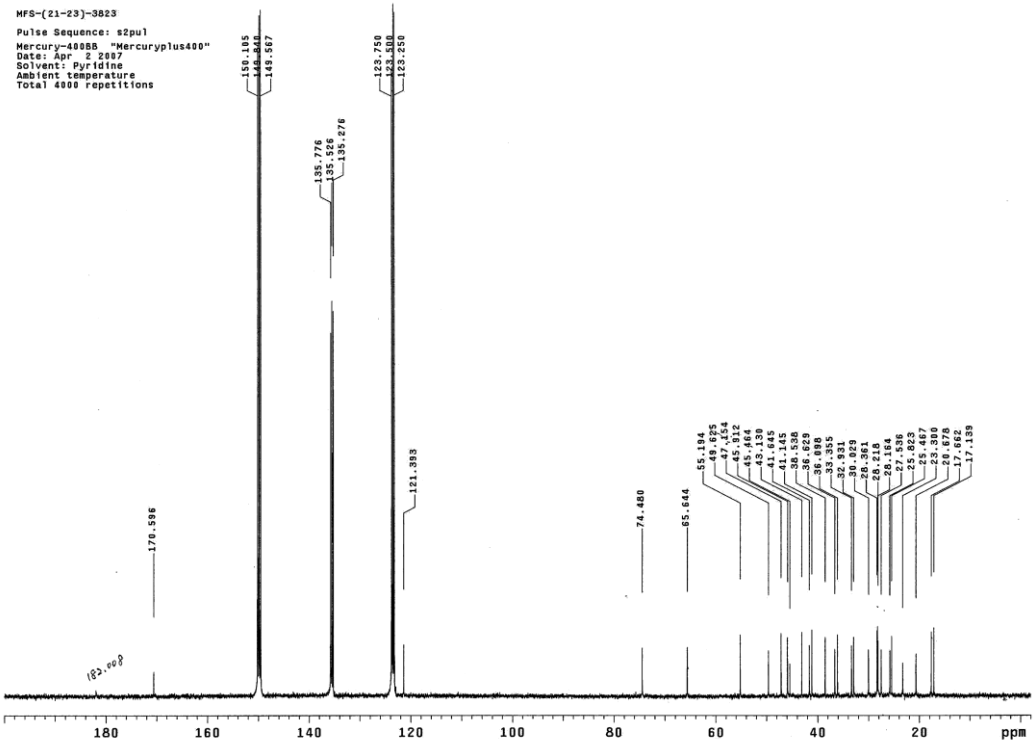

Figure S28. The COSY spectrum of 11α,30-dihydroxy-2,3-*seco*-olean-12-en-2,3-dioic anhydride (**7**).

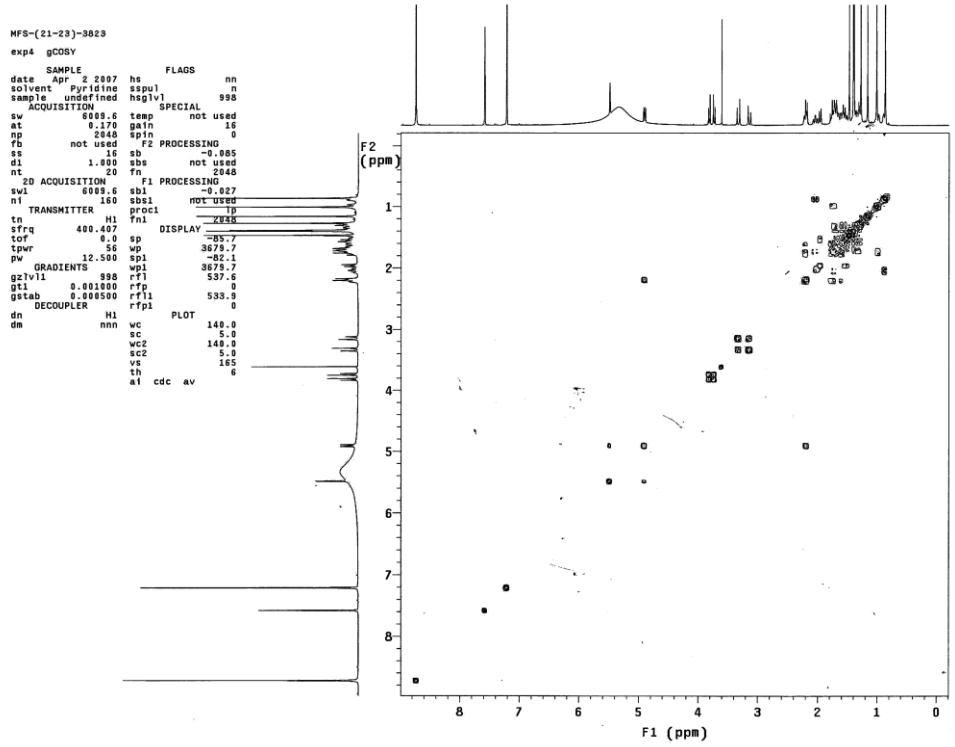

Figure S29. The HMBC spectrum of 11α,30-dihydroxy-2,3-*seco*-olean-12-en-2,3-dioic anhydride (**7**).