Supplementary data

Prenyleudesmanes and a hexanorlanostane from the roots of *Lonicera macranthoides*

Authors

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Affiliations

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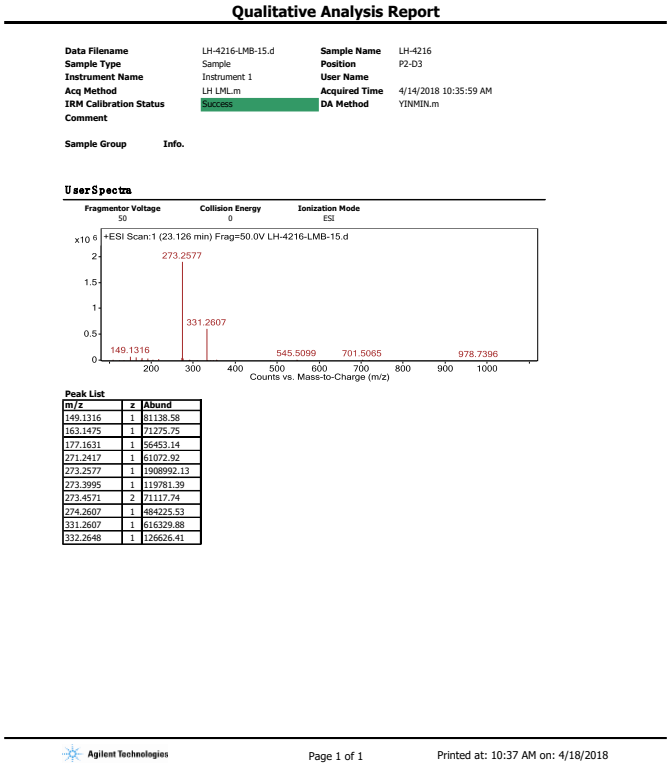
† These two authors contributed equally to this work.

Contents



Qualitative Analysis Report

Data Filename	LH-4216-LMB-15.d	**Sample Name**	LH-4216
Sample Type	Sample	**Position**	P2-D3
Instrument Name	Instrument 1	**User Name**	
Acq Method	LH LML.m	**Acquired Time**	4/14/2018 10:35:59 AM
IRM Calibration Status	Success	**DA Method**	YINMIN.m
Comment			

Sample Group **Info.**

User Spectra

Fragmentor Voltage	Collision Energy	Ionization Mode
50	0	ESI

Peak List

m/z	z	Abund
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163.1475	1	71275.75
177.1631	1	56453.14
271.2417	1	61072.92
273.2577	1	1908992.13
273.3995	1	119781.39
273.4571	2	71117.74
274.2607	1	484225.53
331.2607	1	616329.88
332.2648	1	126626.41

Figure S1. HR-ESI-MS spectrum of compound **1**.

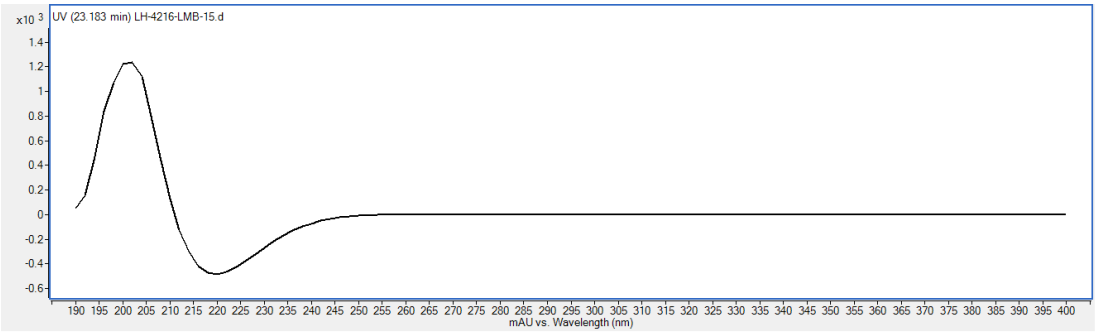


Figure S2. UV spectrum of compound **1**.

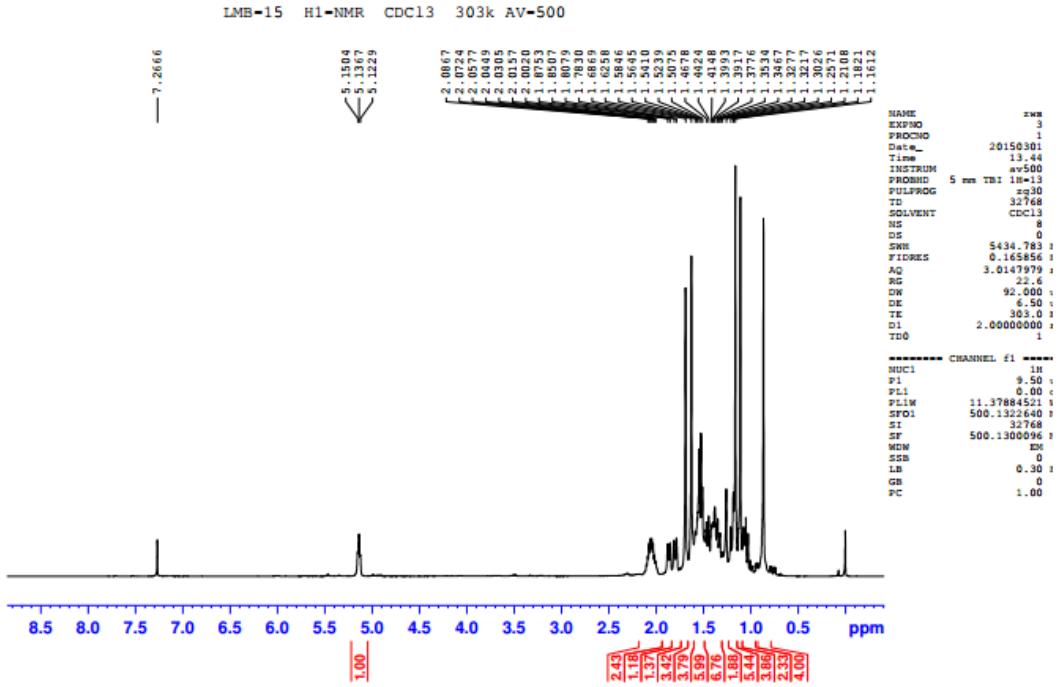


Figure S3. ^{1}H-NMR spectrum (500 MHz, $CDCl_3$) of compound **1**.

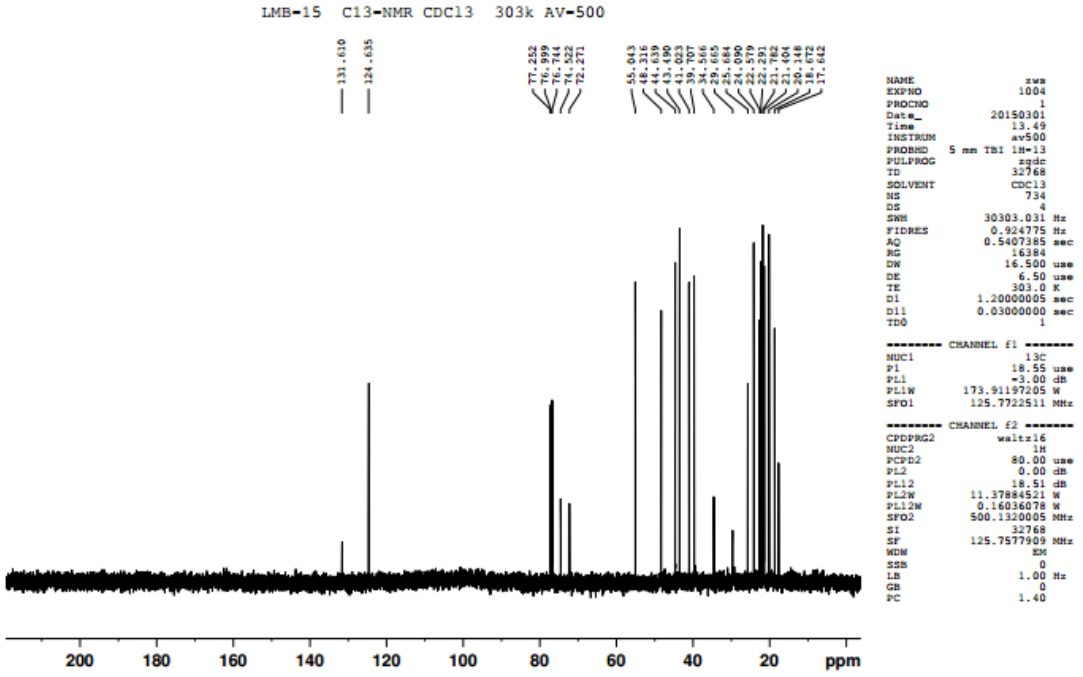


Figure S4. ^{13}C-NMR spectrum (125 MHz, $CDCl_3$) of compound **1**.

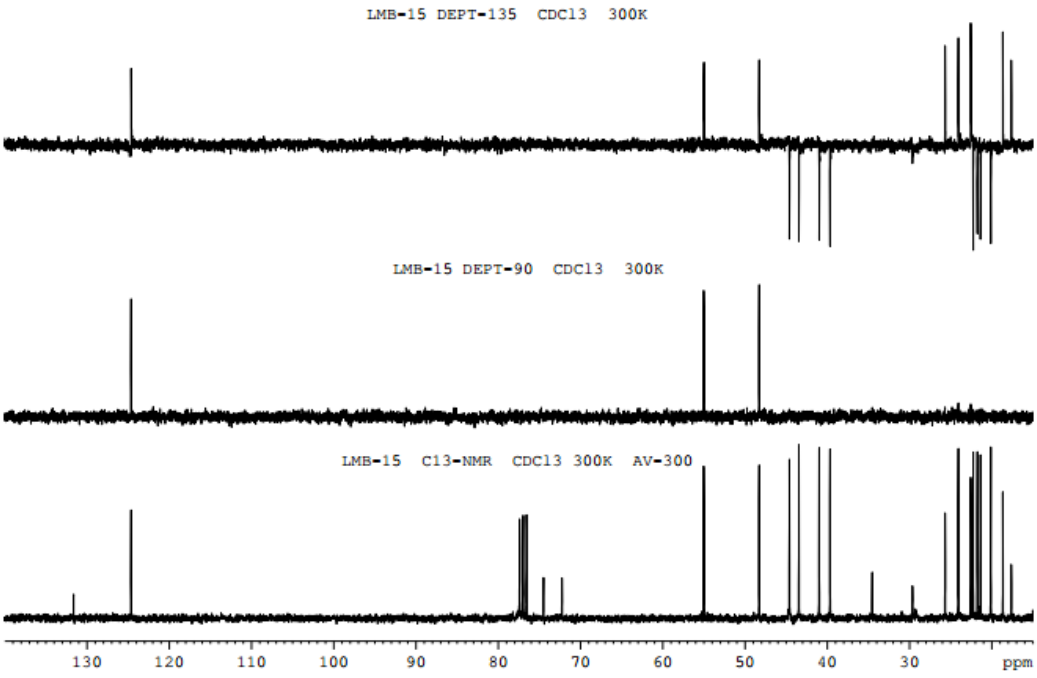


Figure S5. DEPT spectrum (125 MHz, $CDCl_3$) of compound **1**.

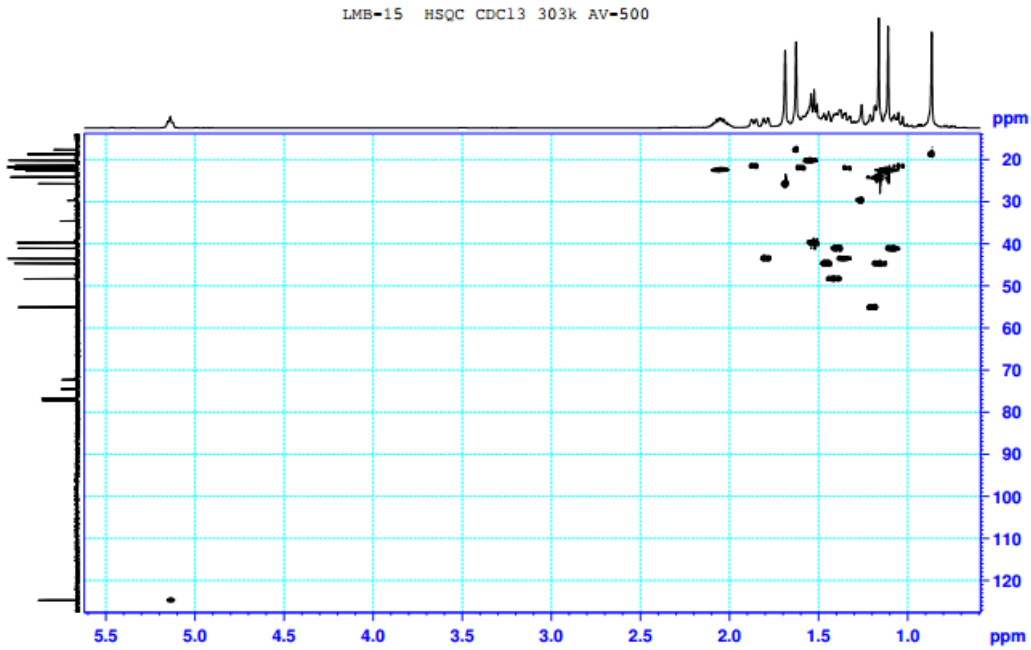


Figure S6. HSQC spectrum (500 MHz, $CDCl_3$) of compound **1**.

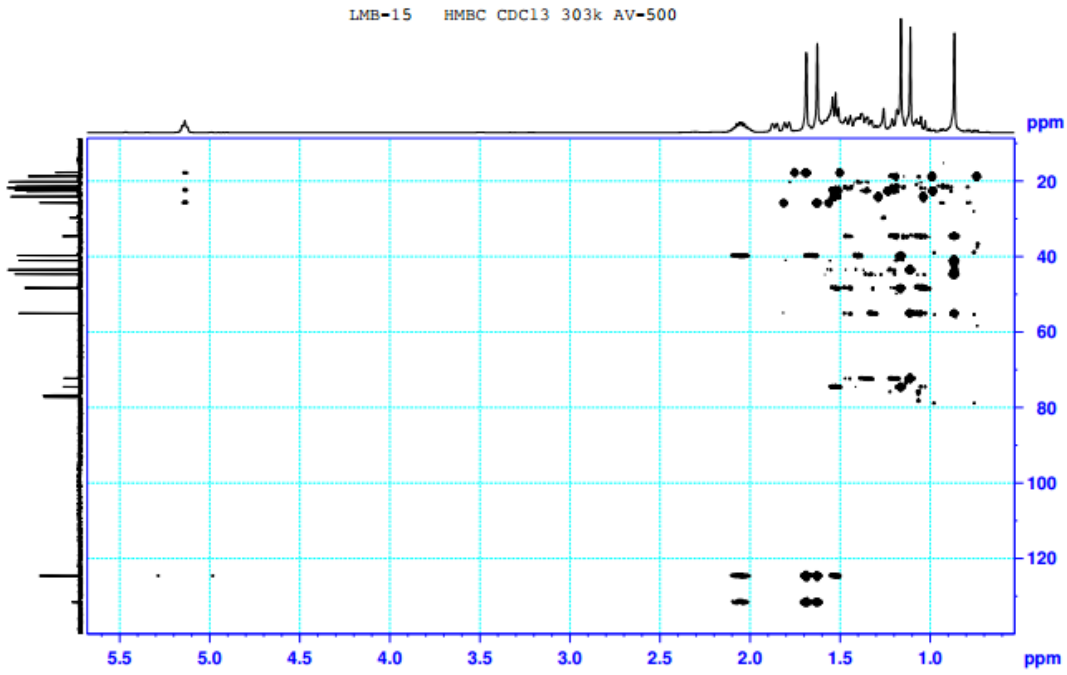


Figure S7. HMBC spectrum (500 MHz, $CDCl_3$) of compound **1**.

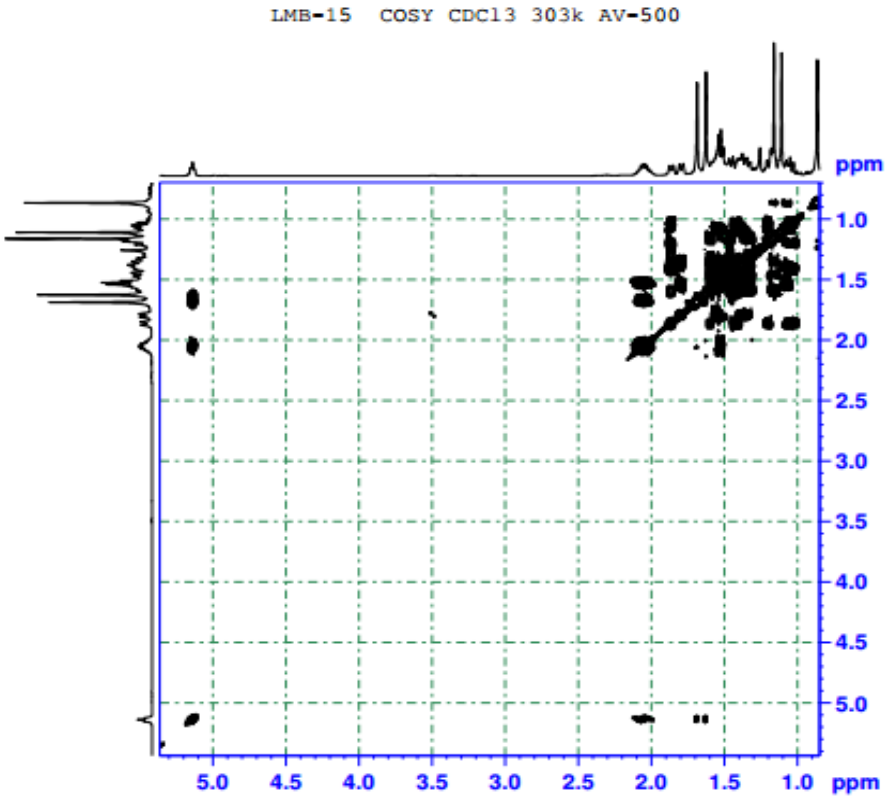


Figure S8. ^{1}H-^{1}H COSY spectrum (500 MHz, $CDCl_3$) of compound **1**.

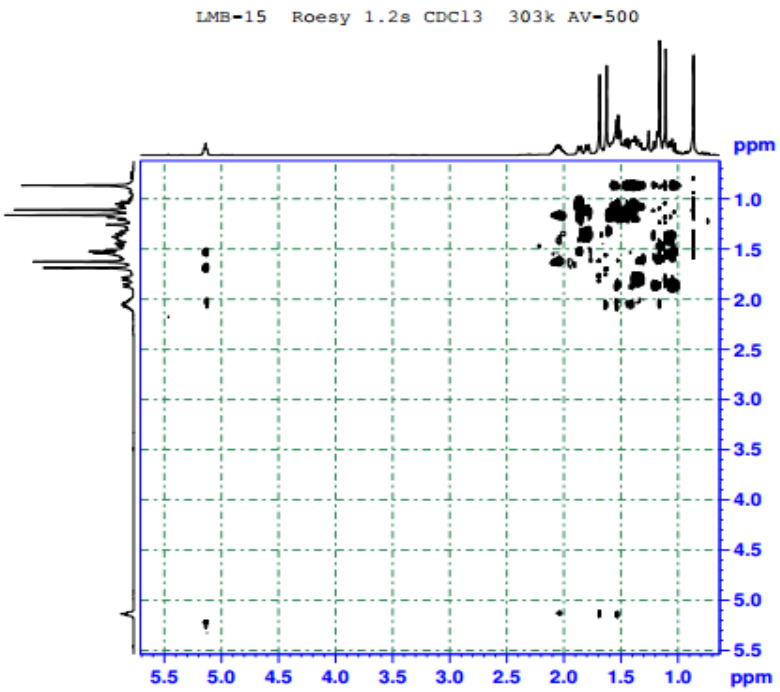


Figure S9. ROESY spectrum (500 MHz, $CDCl_3$) of compound **1**.

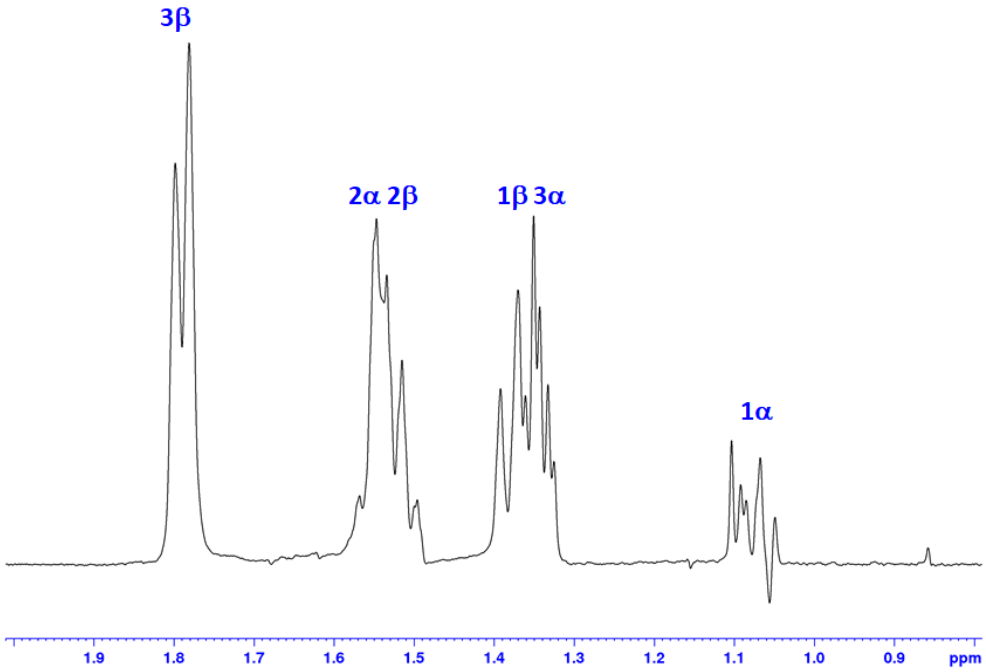


Figure S10. SELTOCSY spectrum (500 MHz, transmitter frequency at 1.79 ppm, 10 Hz width, 120 ms mix time, $CDCl_3$) of compound **1**.

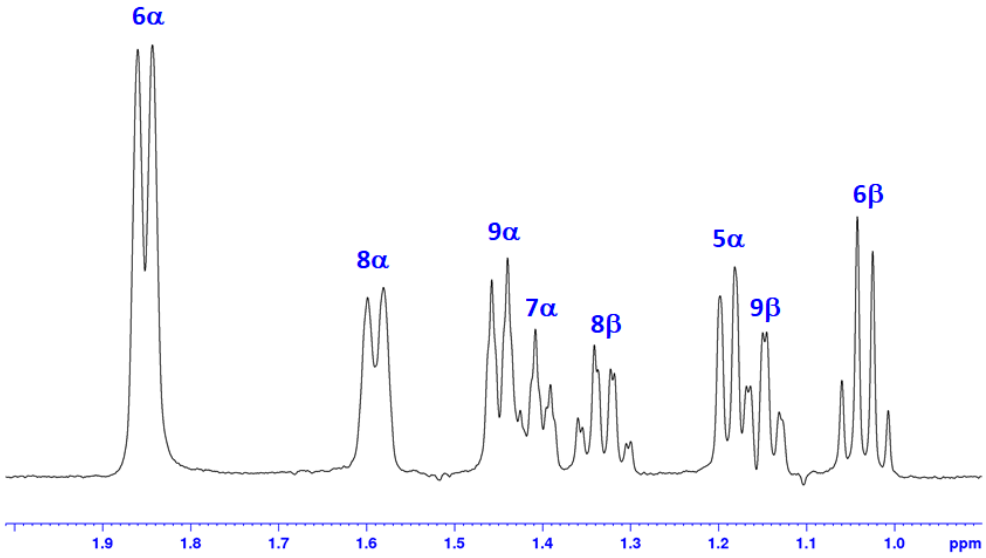


Figure S11. SELTOCSY spectrum (500 MHz, transmitter frequency at 1.86 ppm, 10 Hz width, 120 ms mix time, $CDCl_3$) of compound **1**.

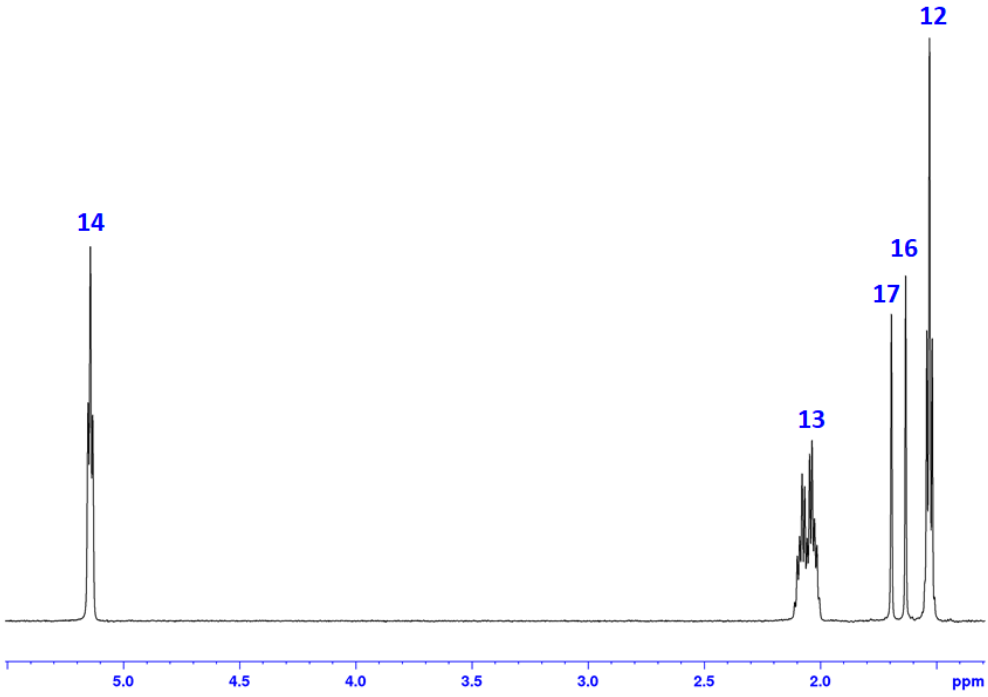


Figure S12. SELTOCSY spectrum (500 MHz, transmitter frequency at 5.14 ppm, 10 Hz width, 120 ms mix time, $CDCl_3$) of compound **1**.

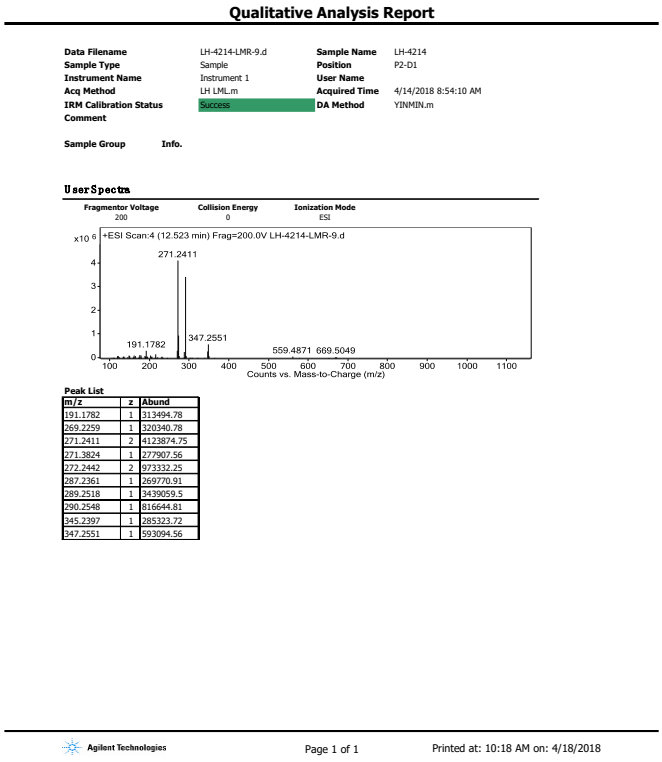


Figure S13. HR-ESI-MS spectrum of compound **2**.

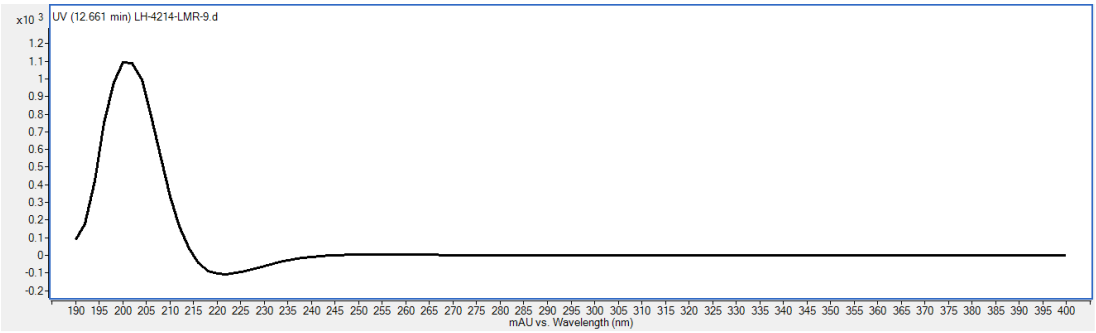


Figure S14. UV spectrum of compound **2**.

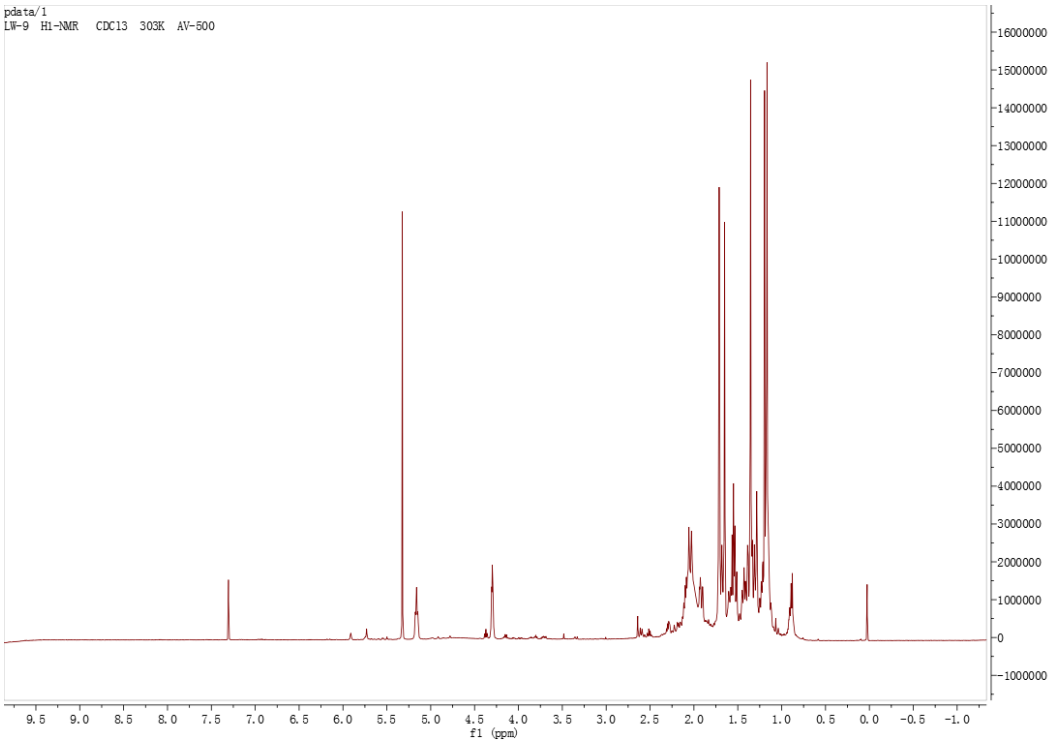


Figure S15. ^{1}H-NMR spectrum (500 MHz, $CDCl_3$) of compound **2**.

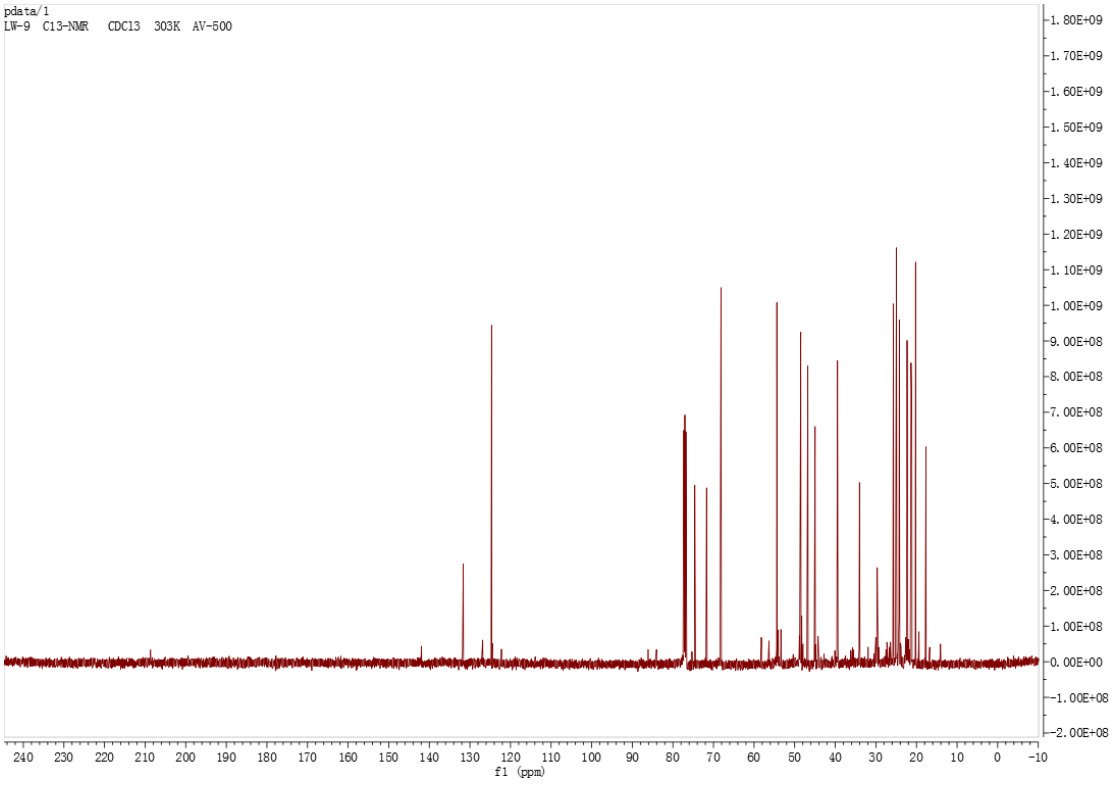


Figure S16. ^{13}C-NMR spectrum (125 MHz, $CDCl_3$) of compound **2**.

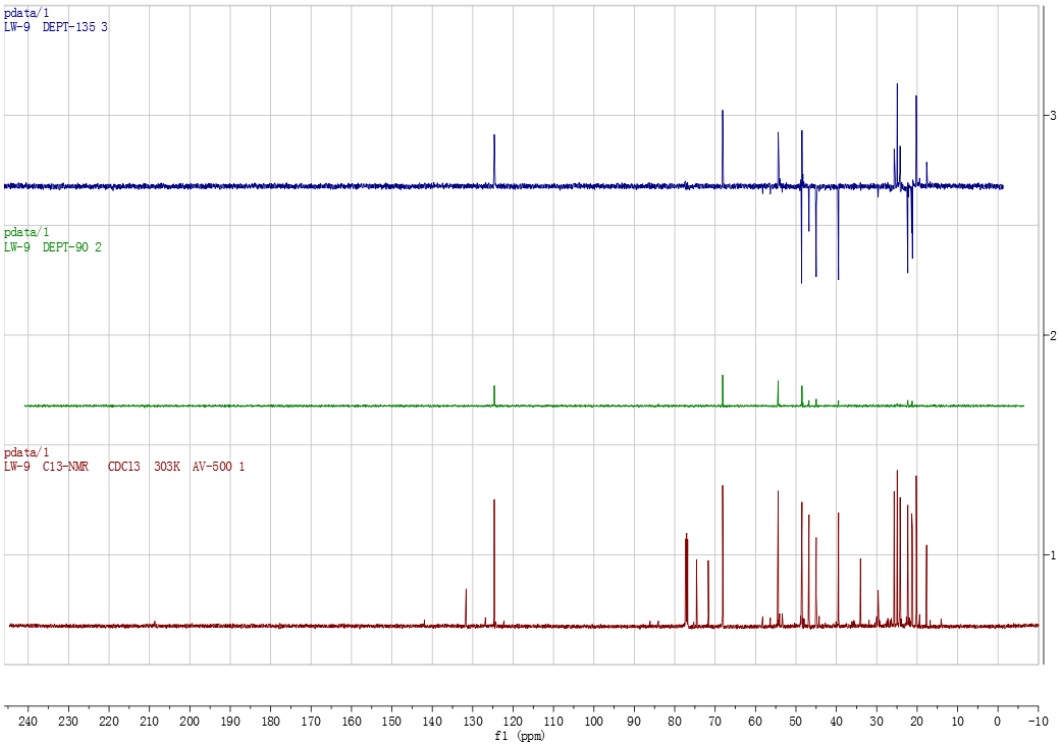


Figure S17. DEPT spectrum (125 MHz, $CDCl_3$) of compound **2**.

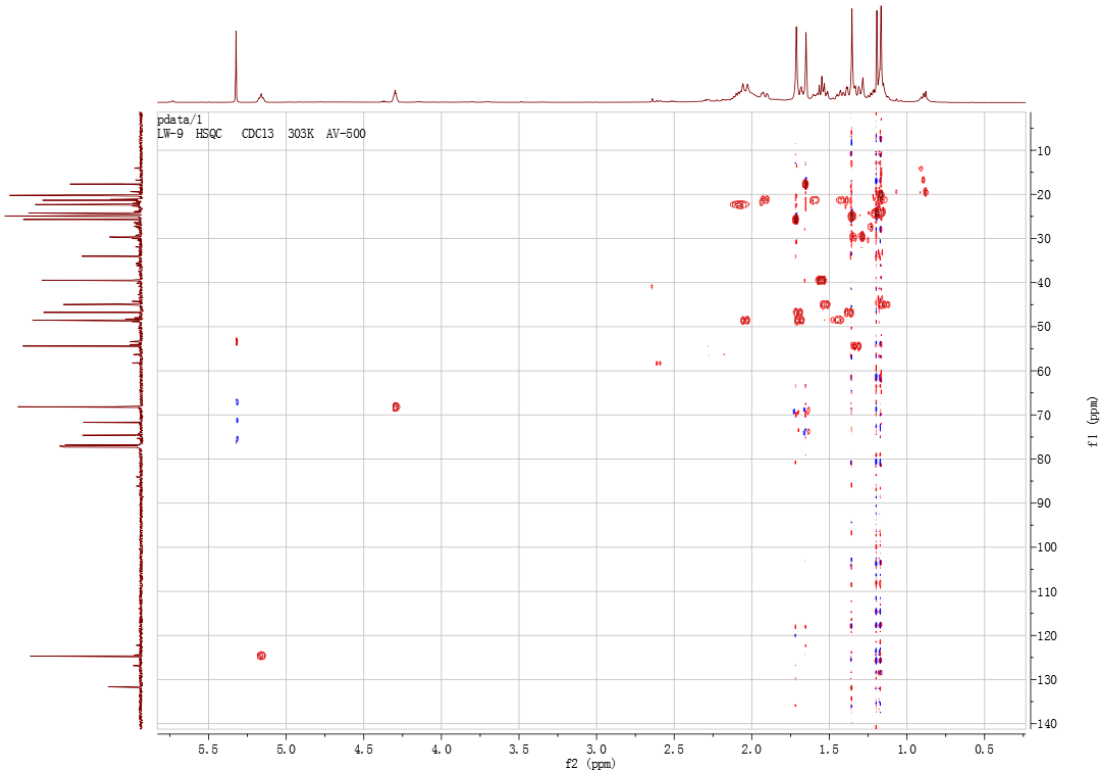


Figure S18. HSQC spectrum (500 MHz, $CDCl_3$) of compound **2**.

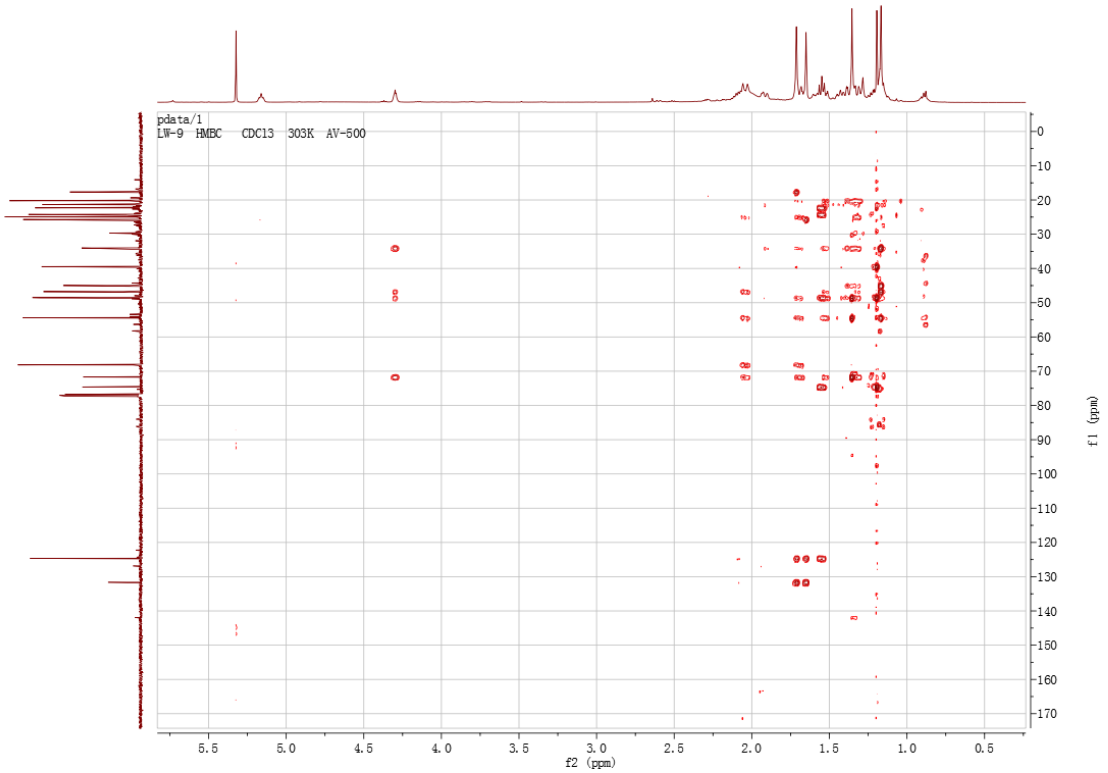


Figure S19. HMBC spectrum (500 MHz, $CDCl_3$) of compound **2**.

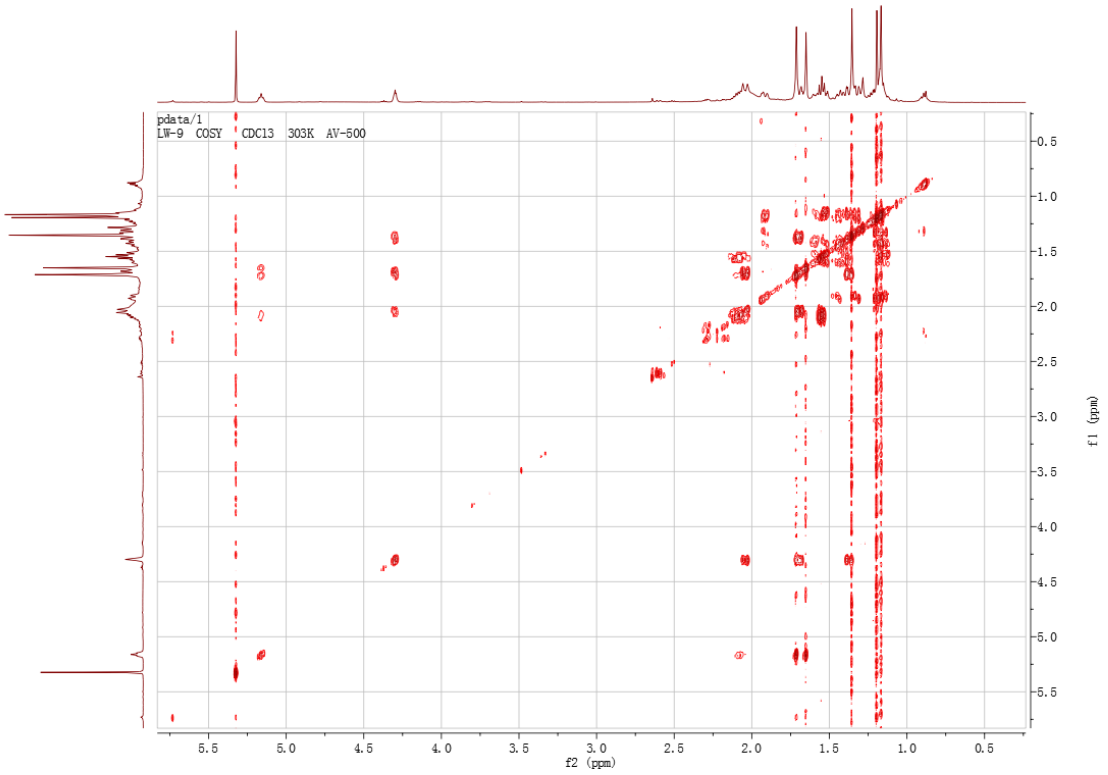


Figure S20. ^{1}H-^{1}H COSY spectrum (500 MHz, $CDCl_3$) of compound **2**.

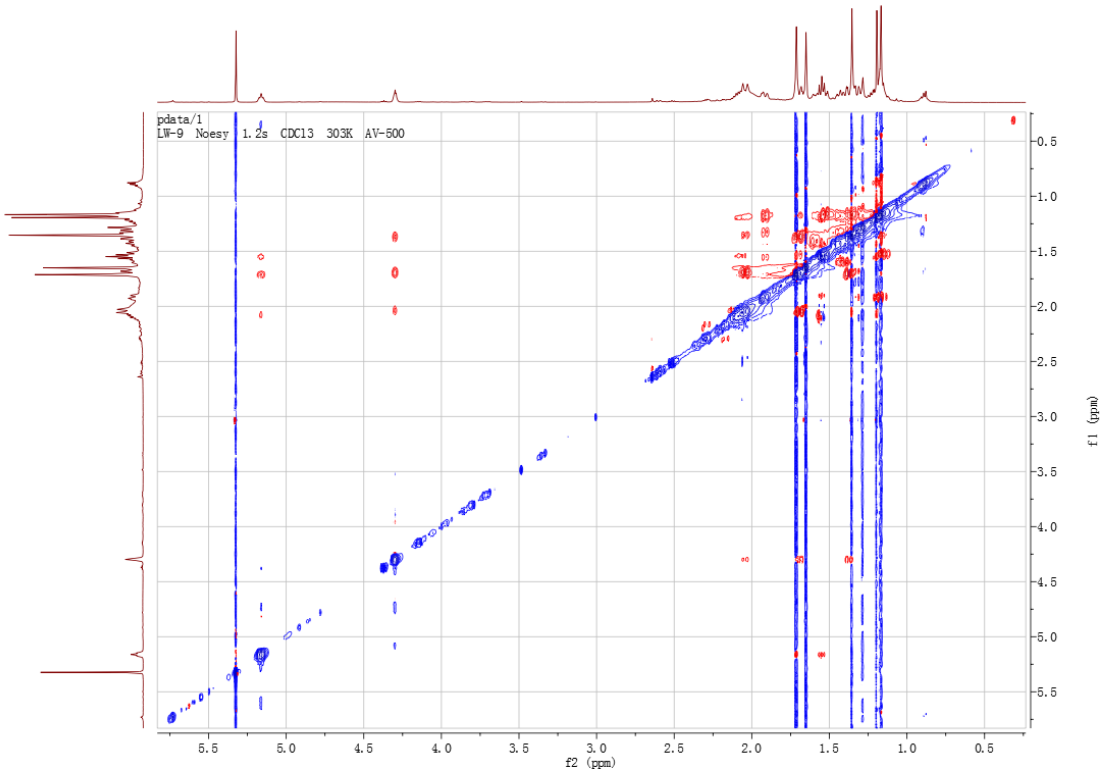


Figure S21. ROESY spectrum (500 MHz, $CDCl_3$) of compound **2**.

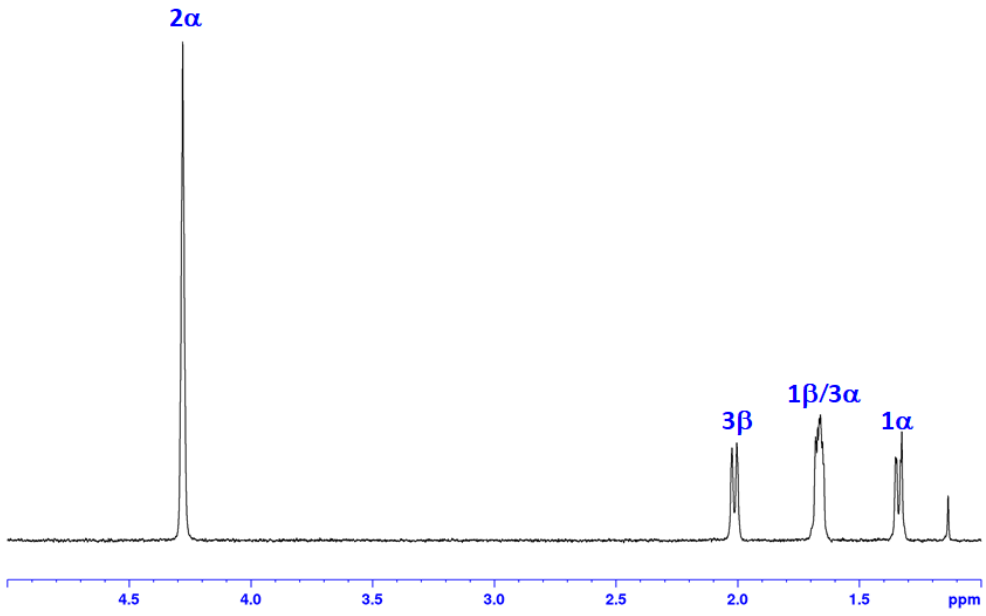


Figure S22. SELTOCSY spectrum (500 MHz, transmitter frequency at 4.28 ppm, 10 Hz width, 120 ms mix time, $CDCl_3$) of compound **2**.

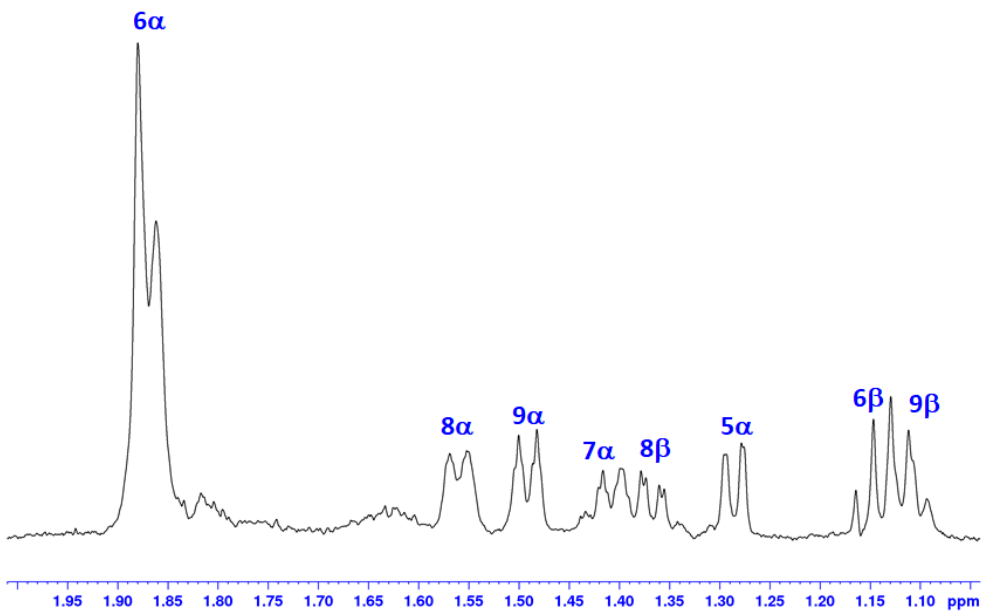


Figure S23. SELTOCSY spectrum (500 MHz, transmitter frequency at 1.88 ppm, 10 Hz width, 120 ms mix time, $CDCl_3$) of compound **2**.

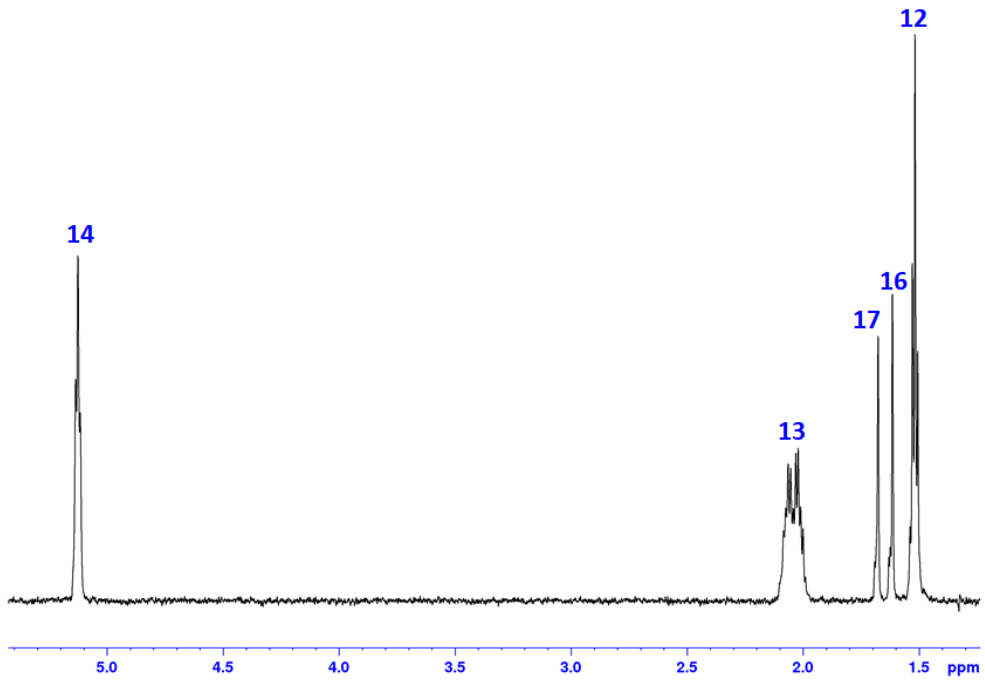
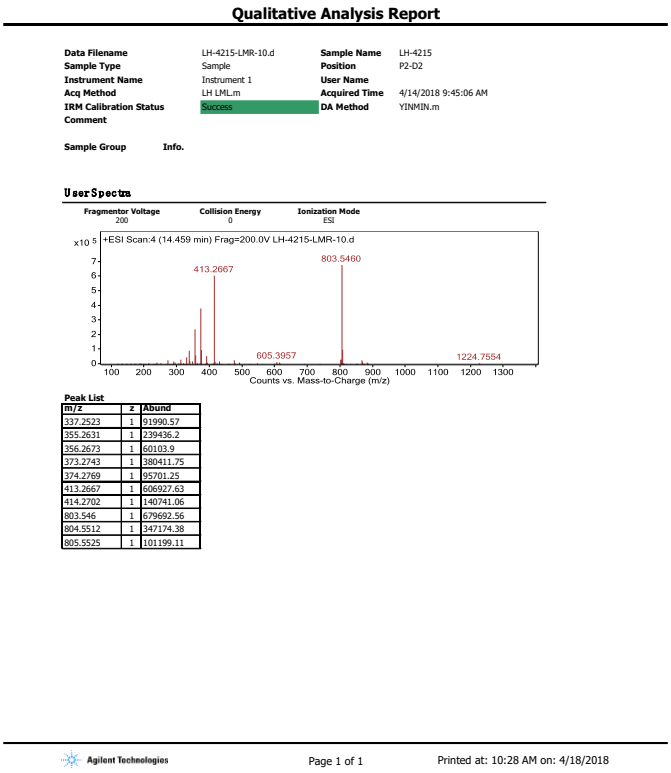


Figure S24. SELTOCSY spectrum (500 MHz, transmitter frequency at 5.13 ppm, 10 Hz width, 120 ms mix time, $CDCl_3$) of compound **2**.



Qualitative Analysis Report

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IRM Calibration Status	Success	**DA Method**	YINMIN.m
Comment			

Sample Group **Info.**

User Spectra

Fragmentor Voltage	Collision Energy	Ionization Mode
200	0	ESI

Peak List

m/z	z	Abund
337.2523	1	91990.57
355.2631	1	239436.2
356.2673	1	60103.9
373.2743	1	380411.75
374.2769	1	95701.25
413.2667	1	606927.63
414.2702	1	140741.06
803.546	1	679692.56
804.5512	1	347174.38
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Figure S25. HR-ESI-MS spectrum of compound **3**.

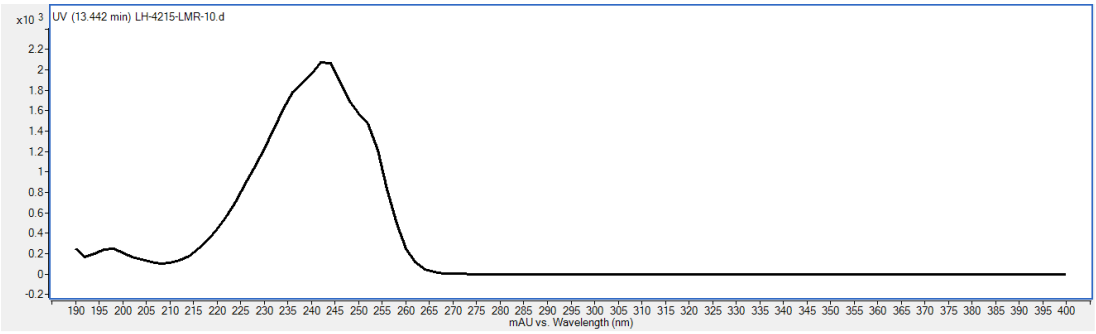

Figure S26. UV spectrum of compound **3**.

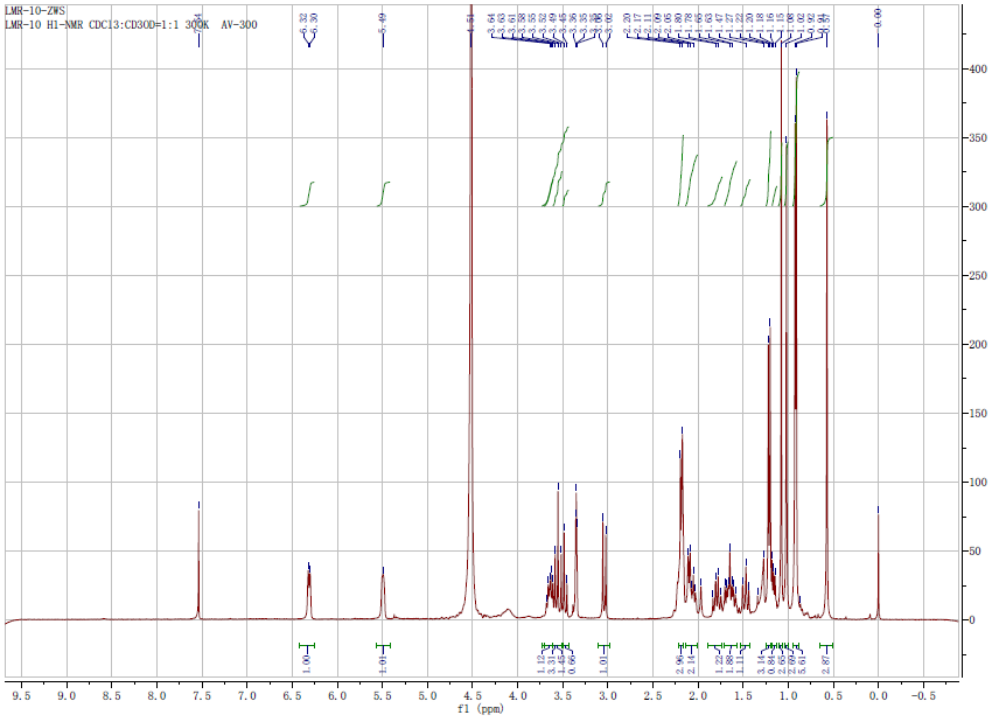

Figure S27. ^{1}H-NMR spectrum (500 MHz, $CDCl_3$:CD_3OD=1:1) of compound **3**.

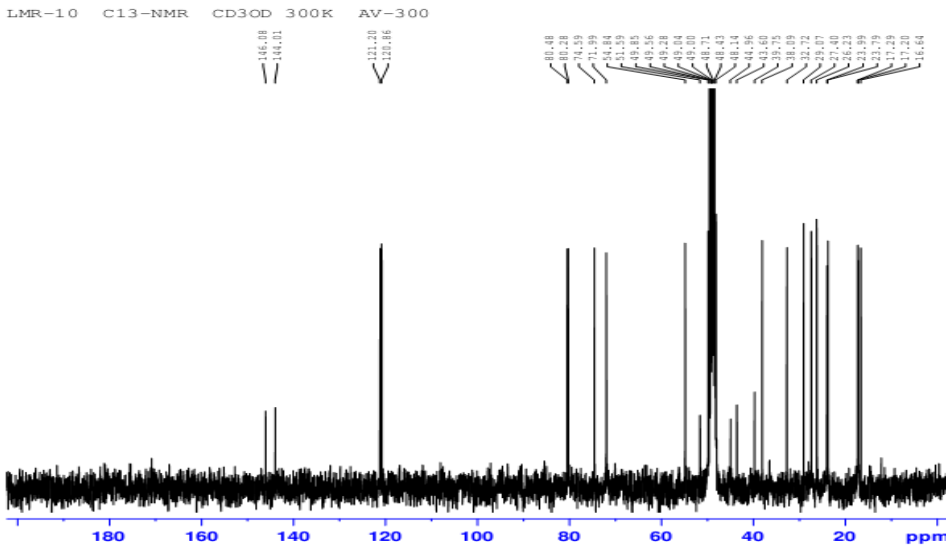

Figure S28. ^{13}C-NMR spectrum (125 MHz, $CDCl_3$:CD_3OD=1:1) of compound **3**.

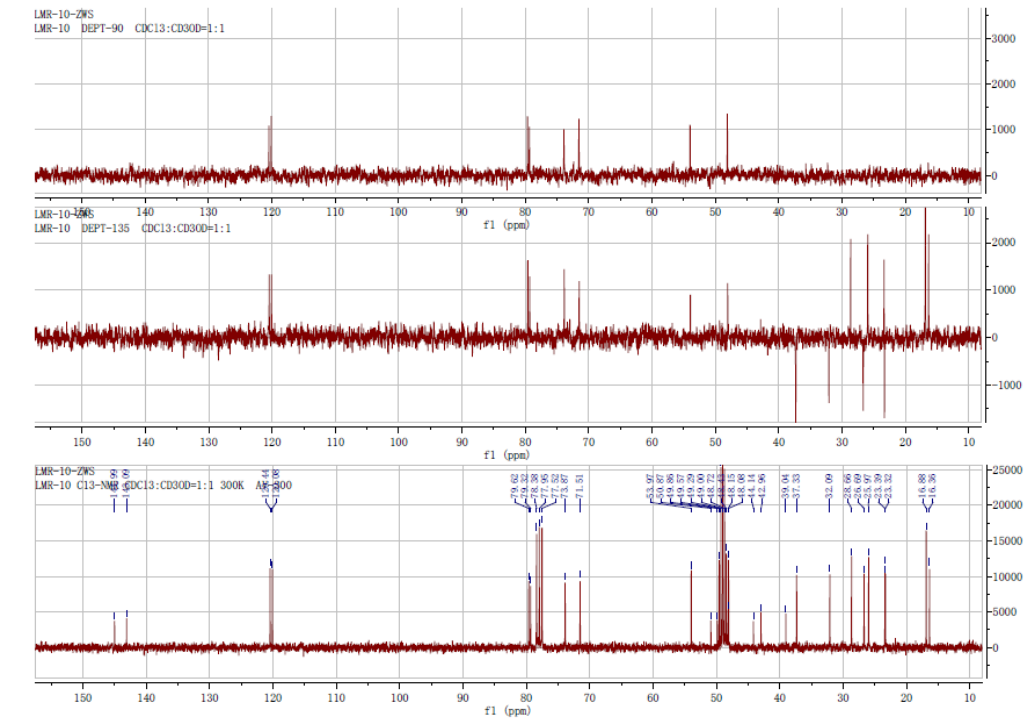

Figure S29. DEPT spectrum (125 MHz, $CDCl_3$:CD_3OD=1:1) of compound **3**.

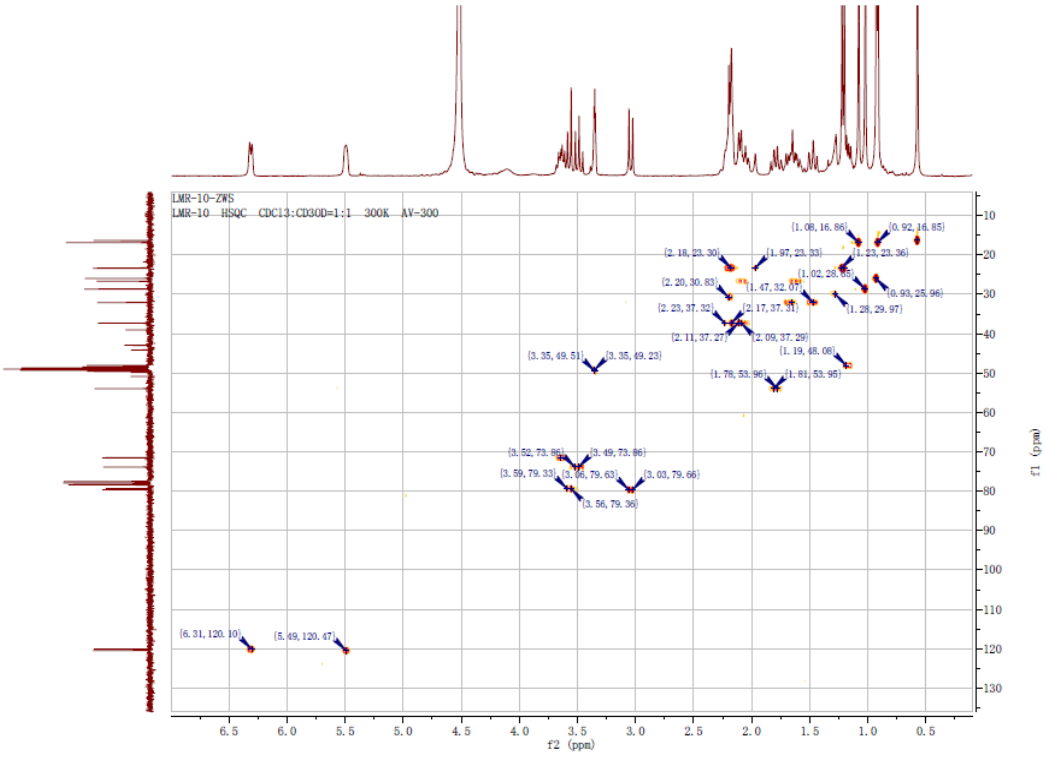

Figure S30. HSQC spectrum (500 MHz, $CDCl_3$:CD_3OD=1:1) of compound **3**.

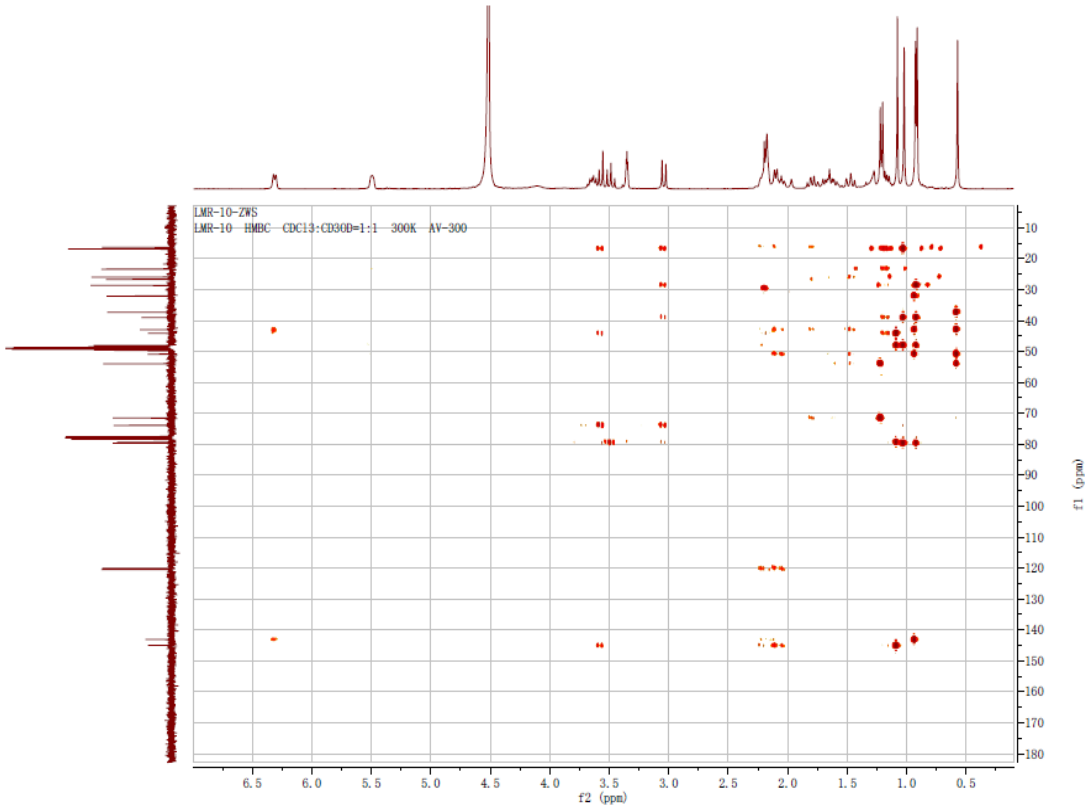

Figure S31. HMBC spectrum (500 MHz, $CDCl_3$:CD_3OD=1:1) of compound **3**.

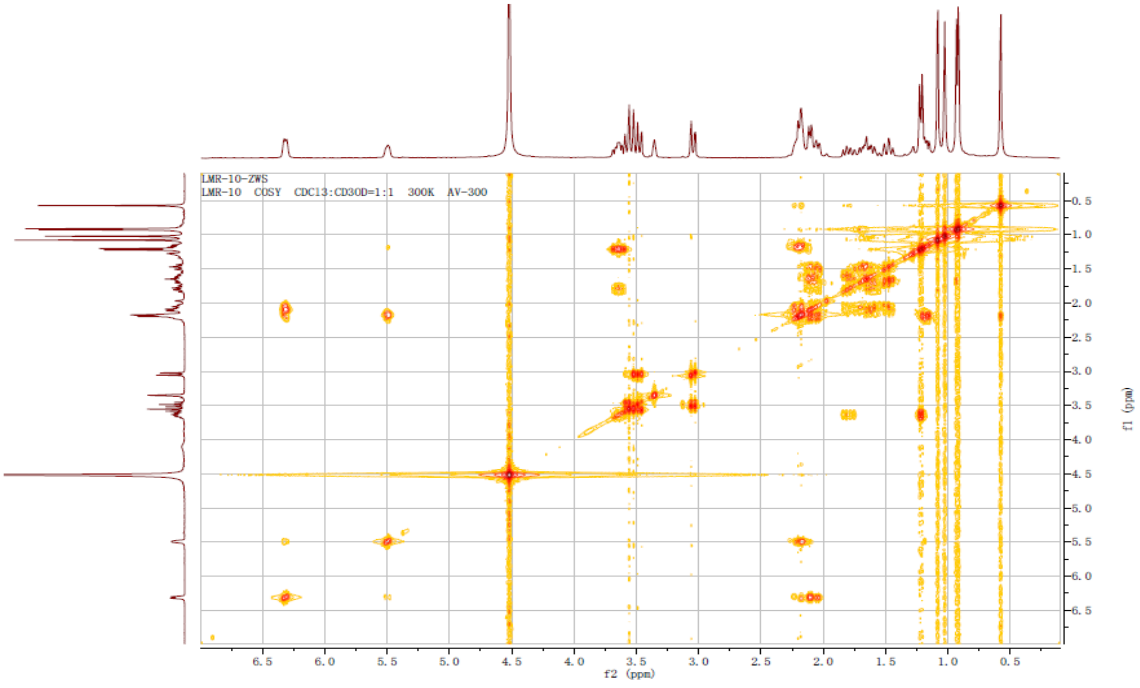

Figure S32. ^{1}H-^{1}H COSY spectrum (500 MHz, $CDCl_3$:CD_3OD=1:1) of compound **3**.

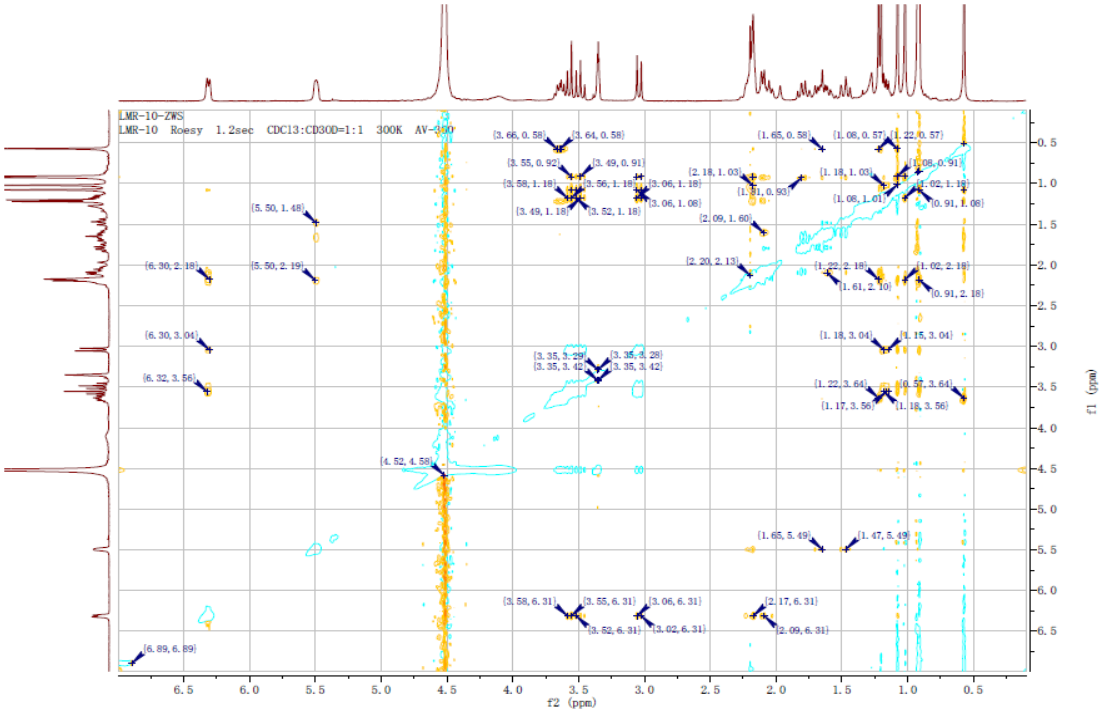

Figure S33. ROESY spectrum (500 MHz, $CDCl_3$:CD_3OD=1:1) of compound **3**.

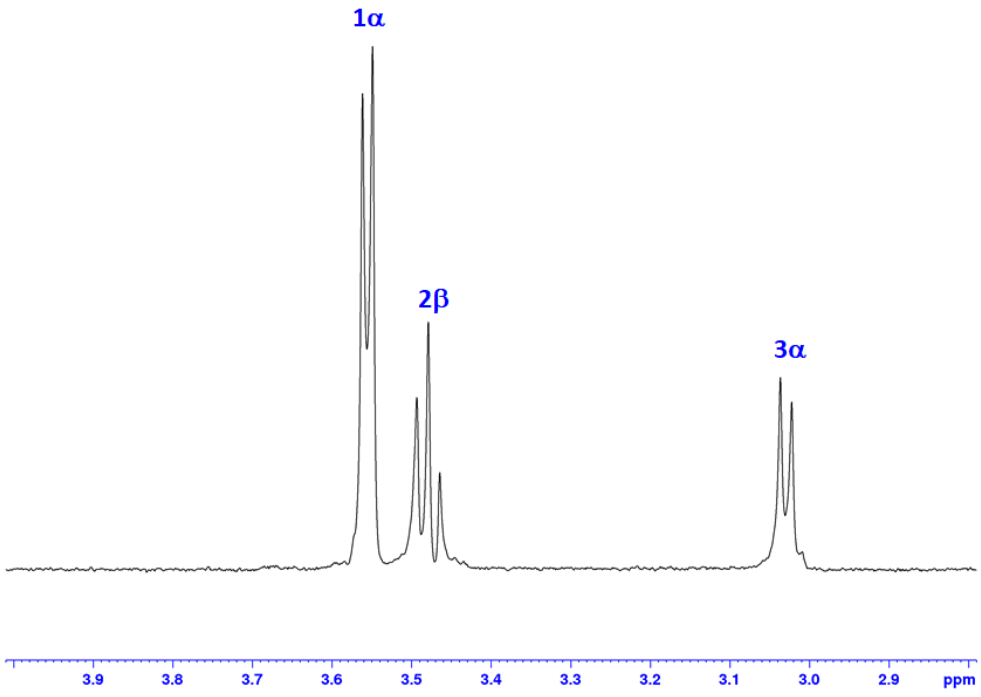

Figure S34. SELTOCSY spectrum (500 MHz, transmitter frequency at 3.57 ppm, 10 Hz width, 120 ms mix time, $CDCl_3$) of compound **3**.

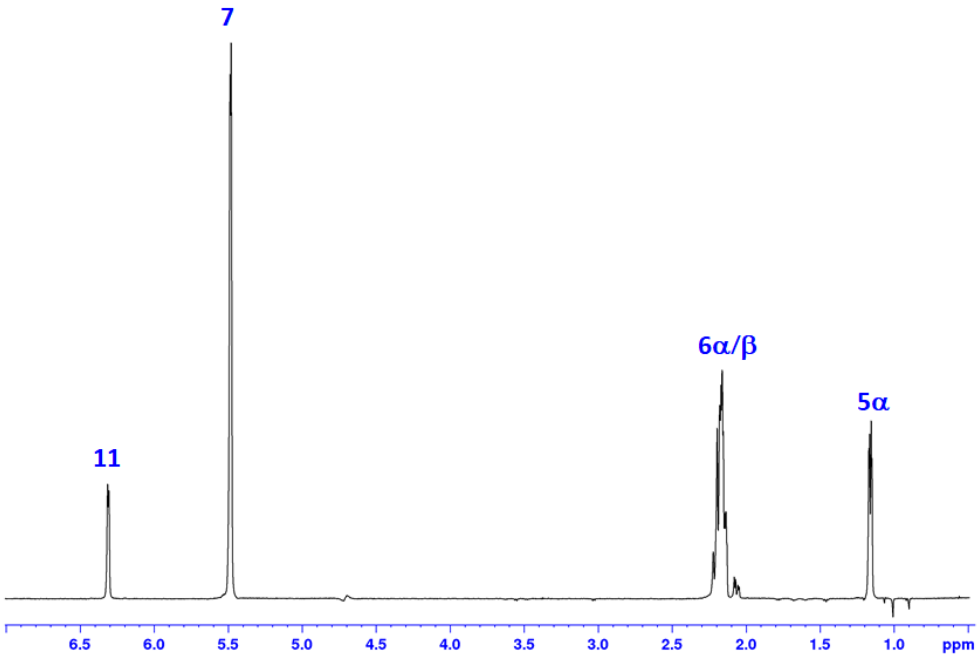

Figure S35. SELTOCSY spectrum (500 MHz, transmitter frequency at 5.49 ppm, 10 Hz width, 120 ms mix time, $CDCl_3$) of compound **3**.

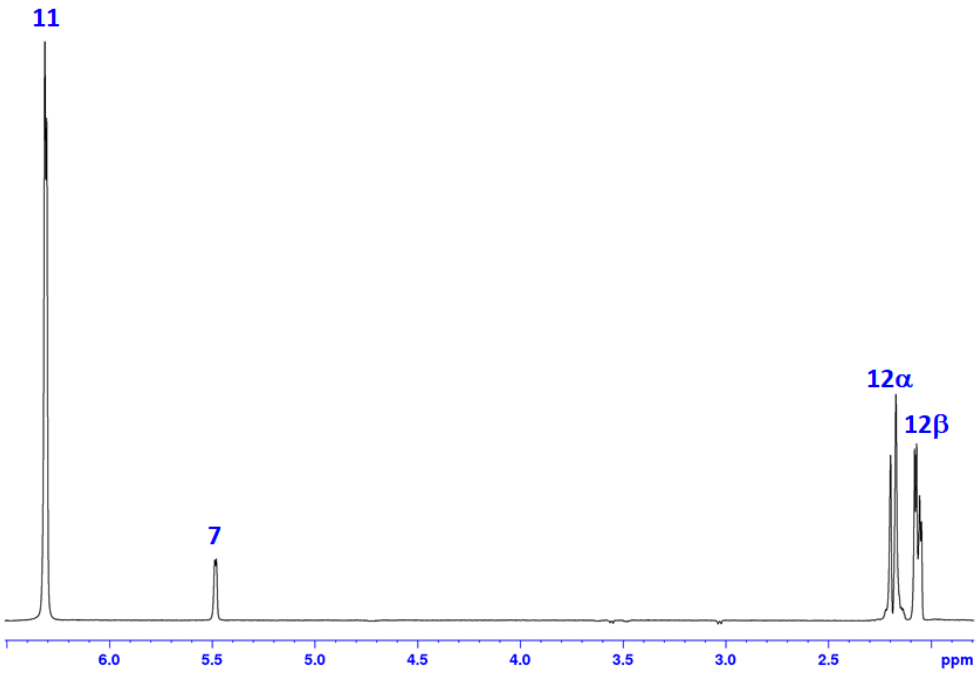

Figure S36. SELTOCSY spectrum (500 MHz, transmitter frequency at 6.31 ppm, 10 Hz width, 120 ms mix time, $CDCl_3$) of compound **3**.

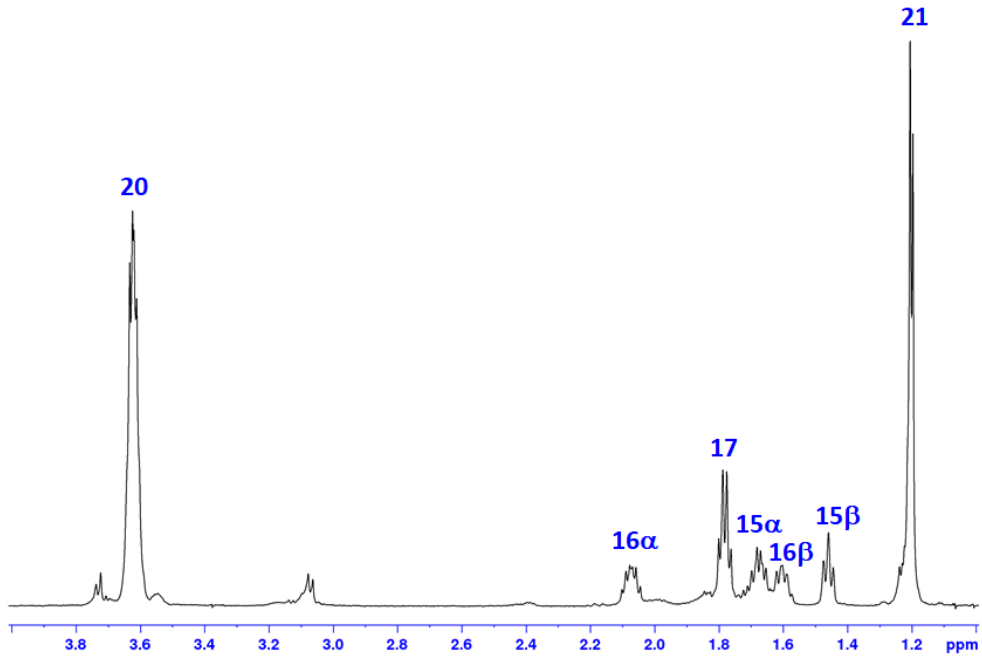

Figure S37. SELTOCSY spectrum (500 MHz, transmitter frequency at 3.62 ppm, 10 Hz width, 120 ms mix time, $CDCl_3$) of compound **3**.