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Supporting Information

Swietemicrolides A–D, mexicanolide-type limonoids from the bark of one *Swietenia* species from Vietnam with *in vitro* cytotoxic and *α*-glucosidase inhibitory activities

Tu-Quyen Thi Tran,[a,b] Duong Hoang Trinh,[c] Binh Thi Dieu Trinh,[a,b] Dzung Ngoc Bui,[a,b] Lien-Hoa Dieu Nguyen,[a,b] Phuong Thu Tran*[a,b]

[a]*Faculty of Chemistry, University of Science – Ho Chi Minh City – Vietnam, 227 Nguyen Van Cu Street, District 5, 700000 Ho Chi Minh City, Vietnam*

[b]*Vietnam National University – Ho Chi Minh City, Linh Trung Ward, Thu Duc City, 700000 Ho Chi Minh City, Vietnam*

[c]*Institute of Drug Quality Control, 200 Co Bac Street, District 1, 700000 Ho Chi Minh City, Vietnam*

Corresponding author:

*E-mail address: ttphuong@hcmus.edu.vn

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Table S1. ^{1}H (500 MHz) and ^{13}C (125 MHz) NMR data for swiemahogin A (5) in acetone-*d*$_6$

No.	δ_H (*J* in Hz)	δ_C
1	7.06 d (10.5)	154.9
2	5.86 d (10.5)	125.8
3	-	203.0
4	-	46.9
5	2.64 dd (6.1, 3.1)	45.6
6	H_a: 2.58 dd (17.0, 6.2) H_b: 2.42 dd (17.0, 3.1)	33.1
7	-	175.6
8	-	93.5
9	1.81 m	52.5
10	-	45.0
11	1.56 m	22.3
12	1.51 m; 1.30 m	34.5
13	-	43.0
14	-	87.3
15	2.95 d (16.8); 2.30 d (16.8)	43.2
16	-	174.5
17	5.47 m	71.4
18	1.08 s	17.8
19	1.41 s	20.2
20	-	126.6
21	7.57 brs	142.0
22	6.49 brs	111.3
23	7.51 t (1.4)	143.8
28	1.00 s	24.0
29	1.11 s	23.3
30	1.90 s	16.7
7-OCH_3	3.67 s	52.8
14-OH	6.77 dd (5.2, 2.3)	

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17-OH	5.65 t (3.2)

Table S2. ^{1}H (500 MHz) and ^{13}C (125 MHz) NMR data for *β*-sitosterol-3-*O*-*β*-D-glucopyranoside (6) in pyridine-d_5

No.	δ_H (J in Hz)	δ_C
1		38.0
2		30.8
3	4.00 m	78.7
4		39.9
5		141.5
6	5.38 m	122.4
7		32.7
8		32.6
9		50.9
10		37.5
11		21.8
12		40.5
13		43.0
14		57.4
15		25.0
16		29.1
17		56.8
18	0.69 s	12.5
19	0.96 s	19.8
20		36.9
21	1.01 d (6.5)	19.6
22		34.8
23		27.0
24		46.6
25		30.0

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26	0.93 d (7.4)	19.9
27	0.89 d (6.9)	20.5
28		24.0
29	0.91 t (6.9)	12.7
1′	5.08 d (7.8)	103.1
2′	4.08 t (8.2)	75.9
3′	4.31 m	79.1
4′	4.31 m	72.3
5′	4.00 m	79.0
6′	H_a: 4.59 dd (11.8, 2.5) H_b: 4.44 dd (11.8, 5.3)	63.4

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Table S3. ^{1}H (500 MHz) and ^{13}C (125 MHz) NMR data for homovanillyl alcohol (7) in acetone-*d*$_6$

No.	δ_H (*J* in Hz)	δ_C
1		145.8
2		148.3
3	6.83 d (1.4)	113.5
4		131.8
5	6.62 dd (8.0 và 1.5)	122.3
6	6.72 d (8.0)	115.6
1′	2.71 t (7.1)	40.0
2′	3.69 m	64.3
2-OCH_3	3.82 s	56.3
1-OH	7.29 s	
2′-OH	3.58 t (5.5)	

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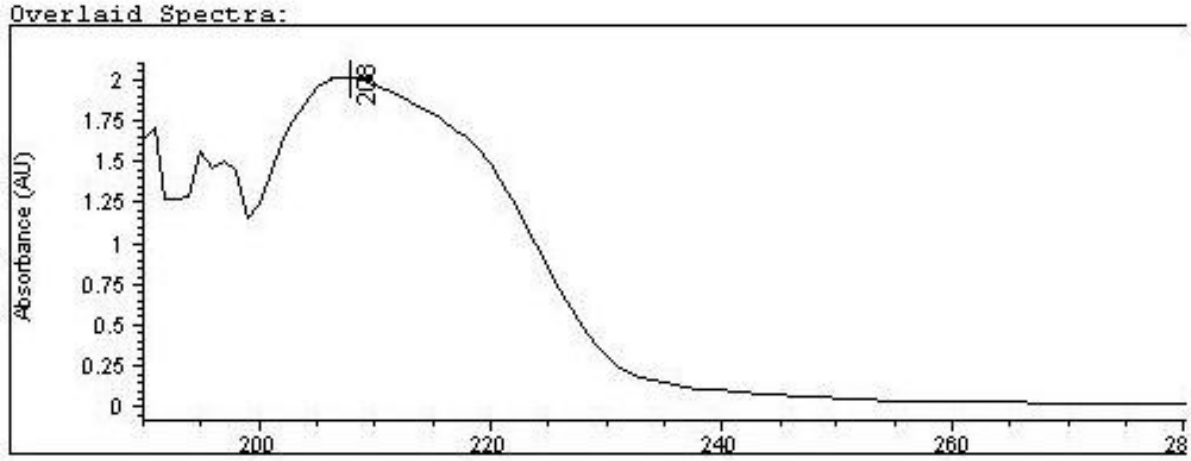

Figure S1. UV spectrum of swetemicrolide A (**1**)

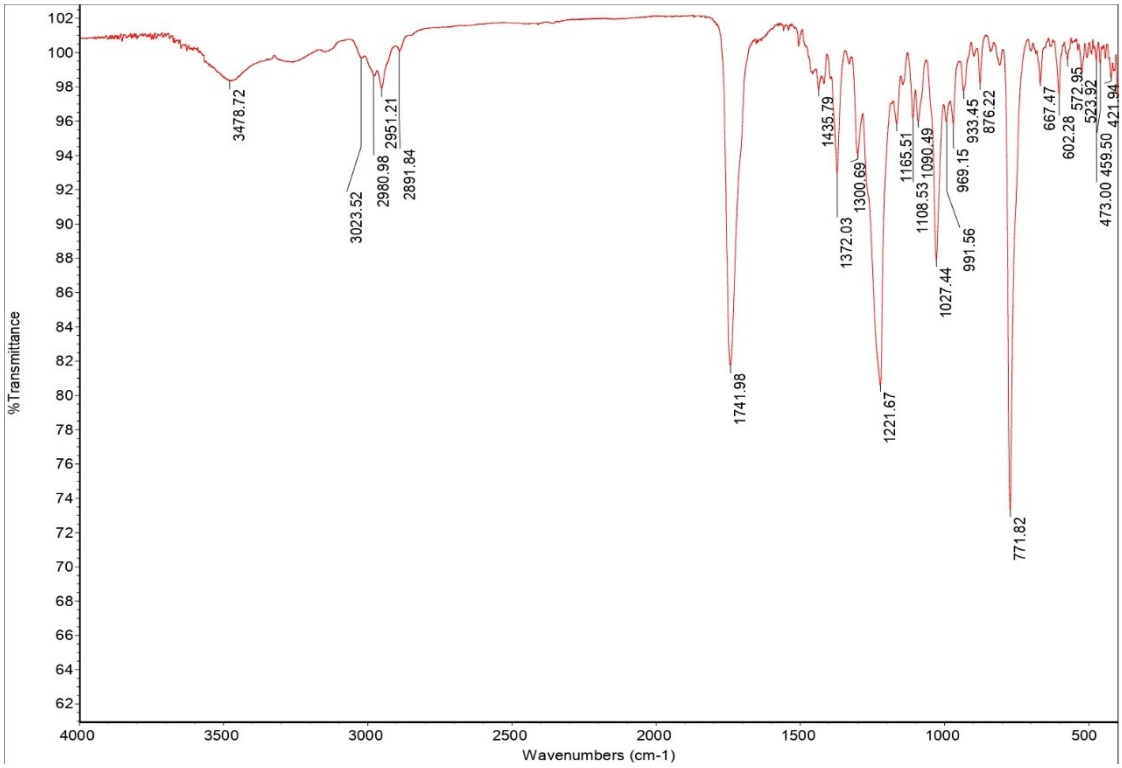

Figure S2. IR spectrum of swetemicrolide A (**1**)

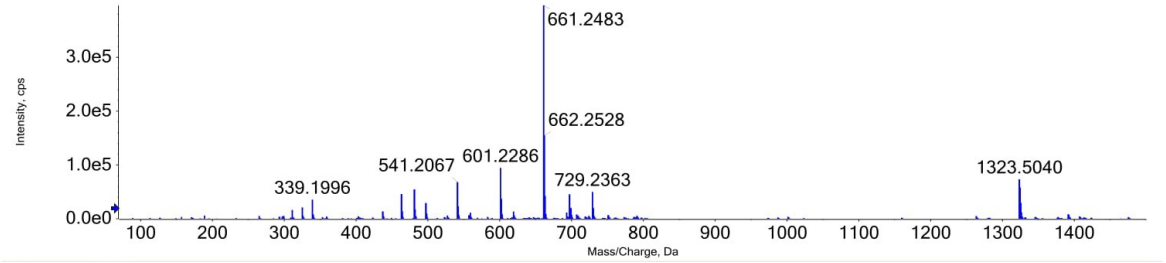

Figure S3. HRESIMS spectrum of swetemicrolide A (**1**)

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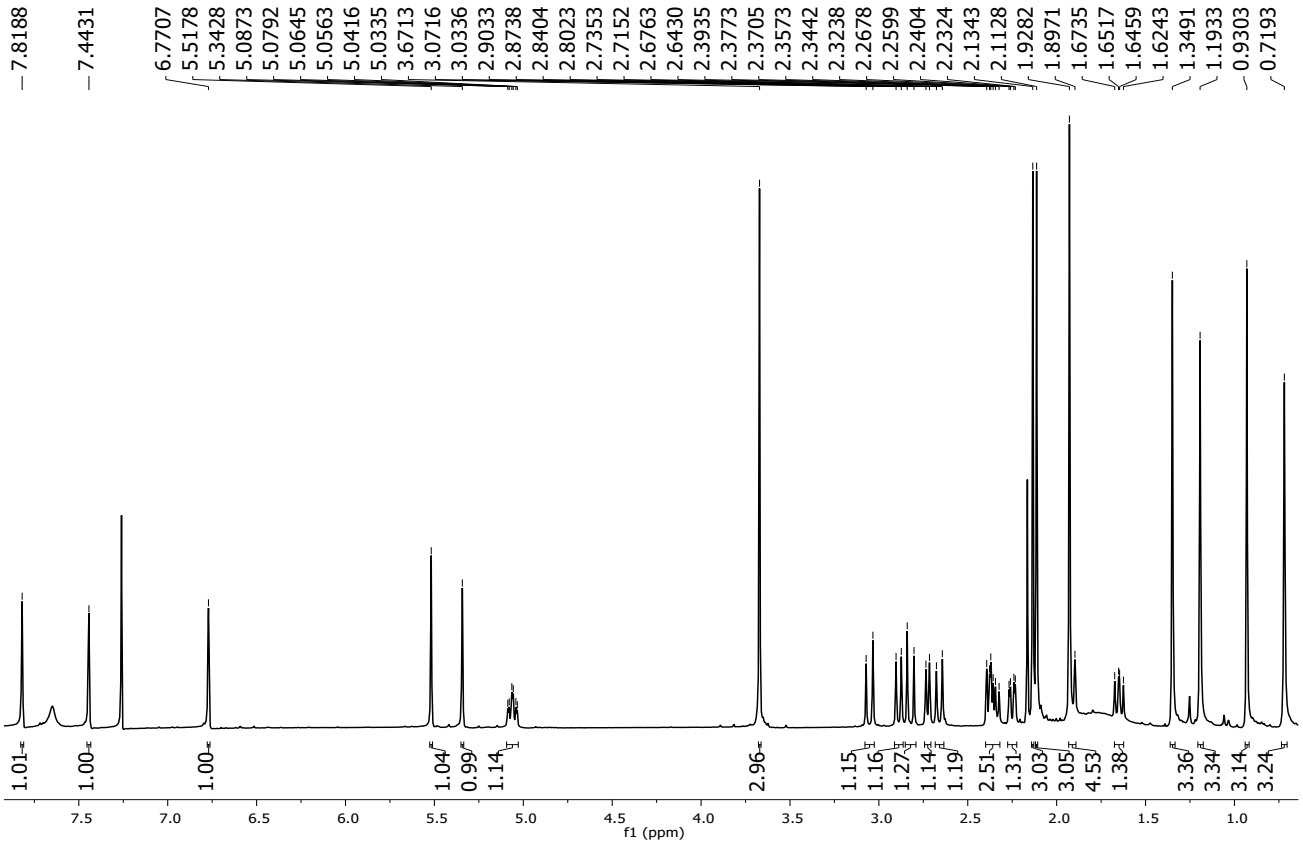

Figure S4. ^{1}H NMR spectrum of swetemicrolide A (**1**) in $CDCl_3$ (500MHz)

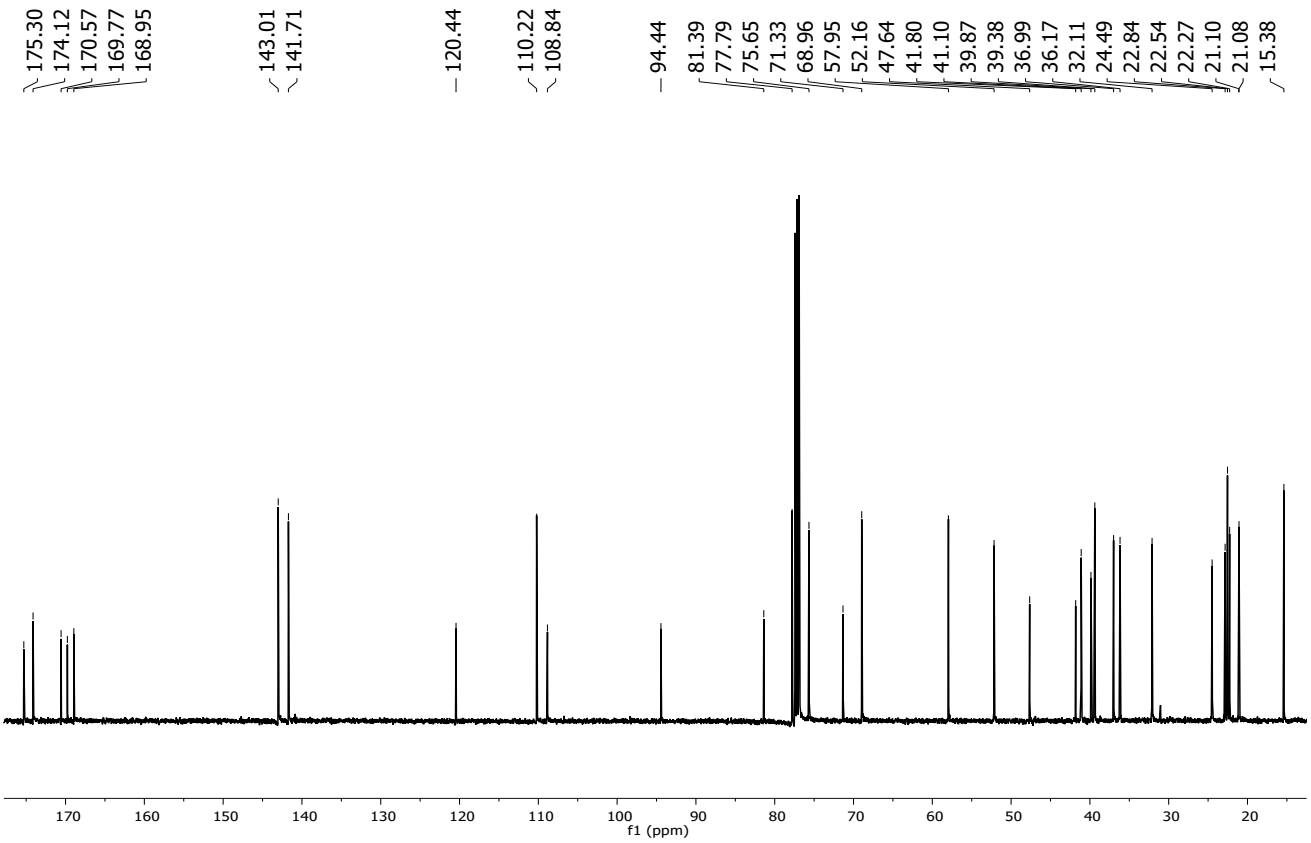

Figure S5. ^{13}C NMR spectrum of swetemicrolide A (**1**) in $CDCl_3$ (125MHz)

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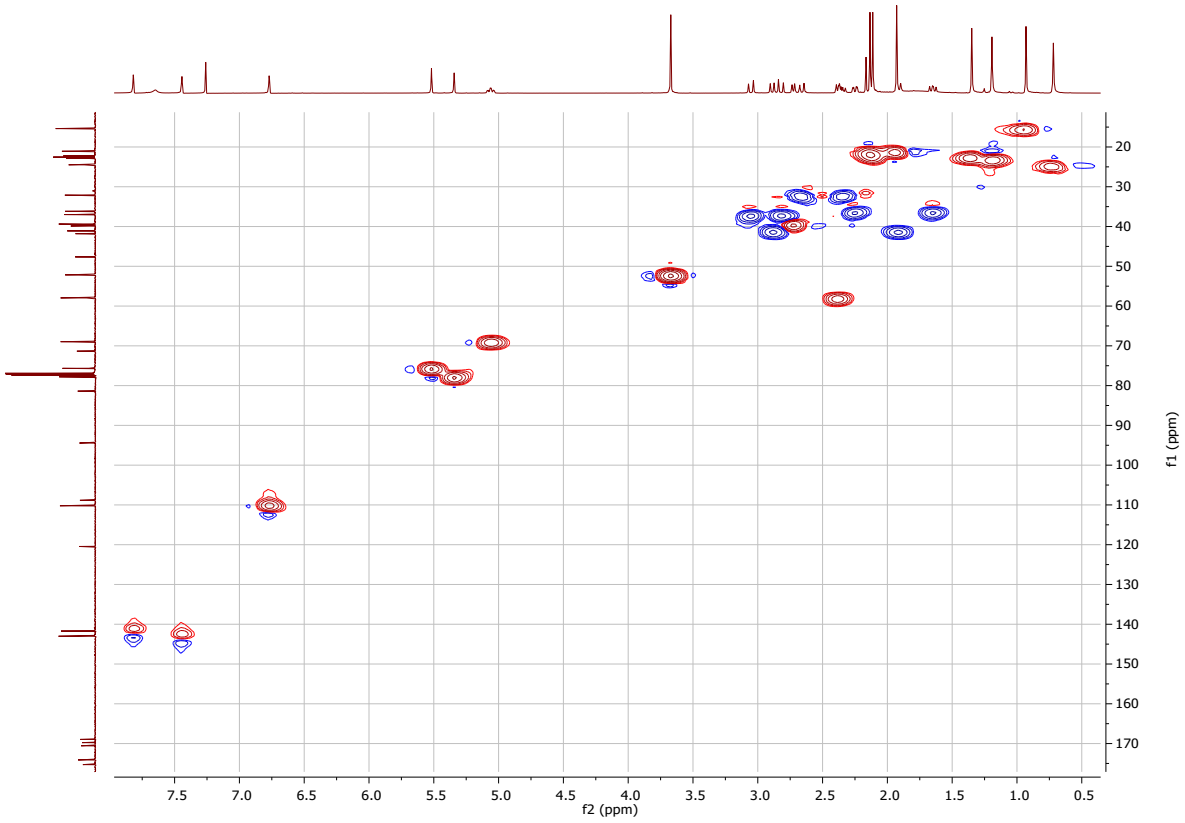

Figure S6. HMBC spectrum of swetemicrolide A (**1**) in $CDCl_3$

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Figure S7. HMBC spectrum of swetemicrolide A (**1**) in $CDCl_3$

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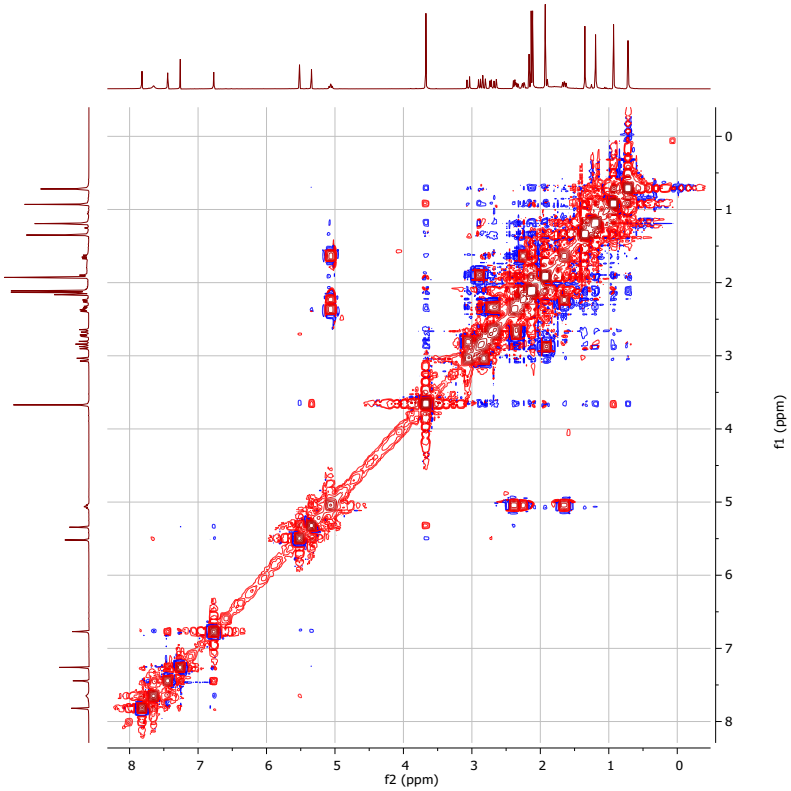

Figure S8. ^{1}H – ^{1}H COSY spectrum of swetemicrolide A (**1**) in $CDCl_3$

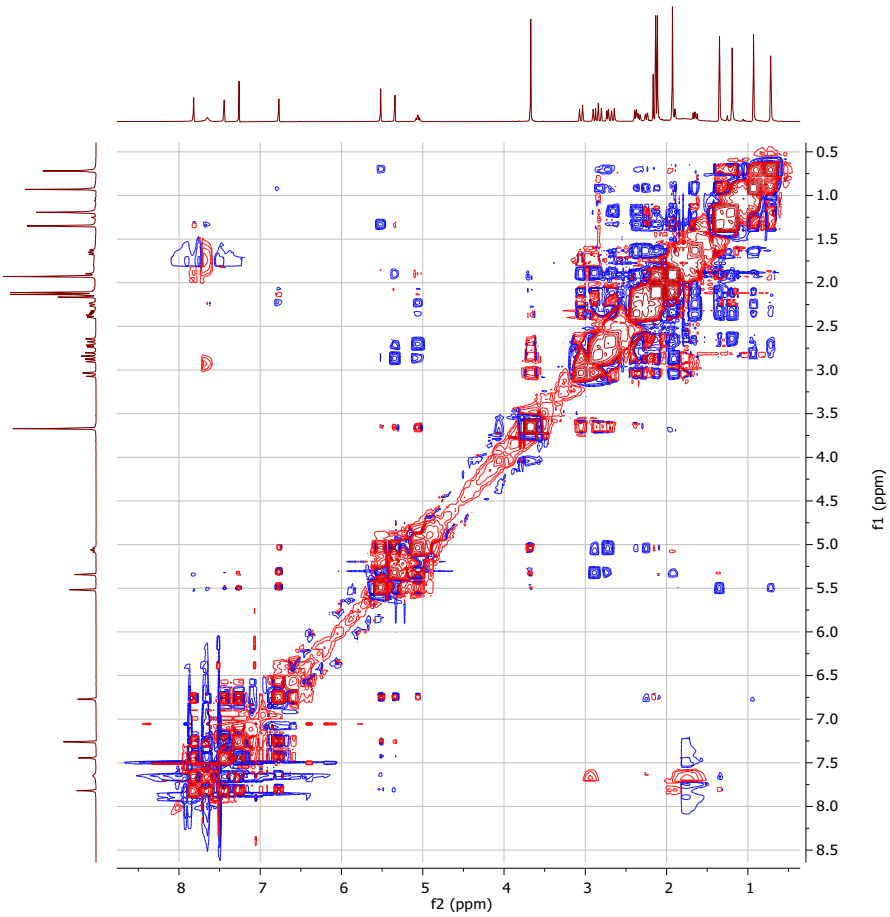

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Figure S9. NOESY spectrum of swetemicrolide A (**1**) in $CDCl_3$

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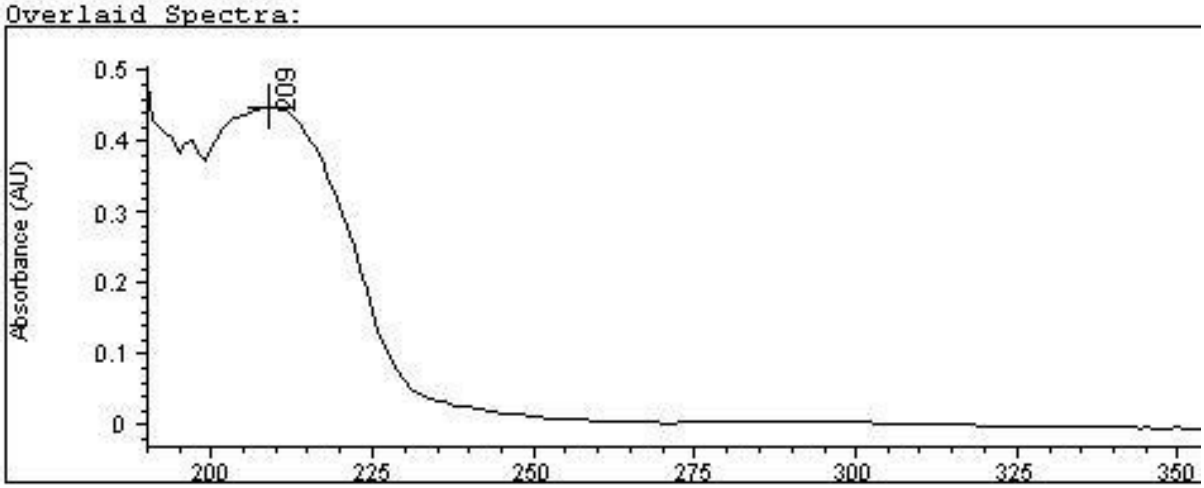

Figure S10. UV spectrum of swetemicrolide B (**2**).

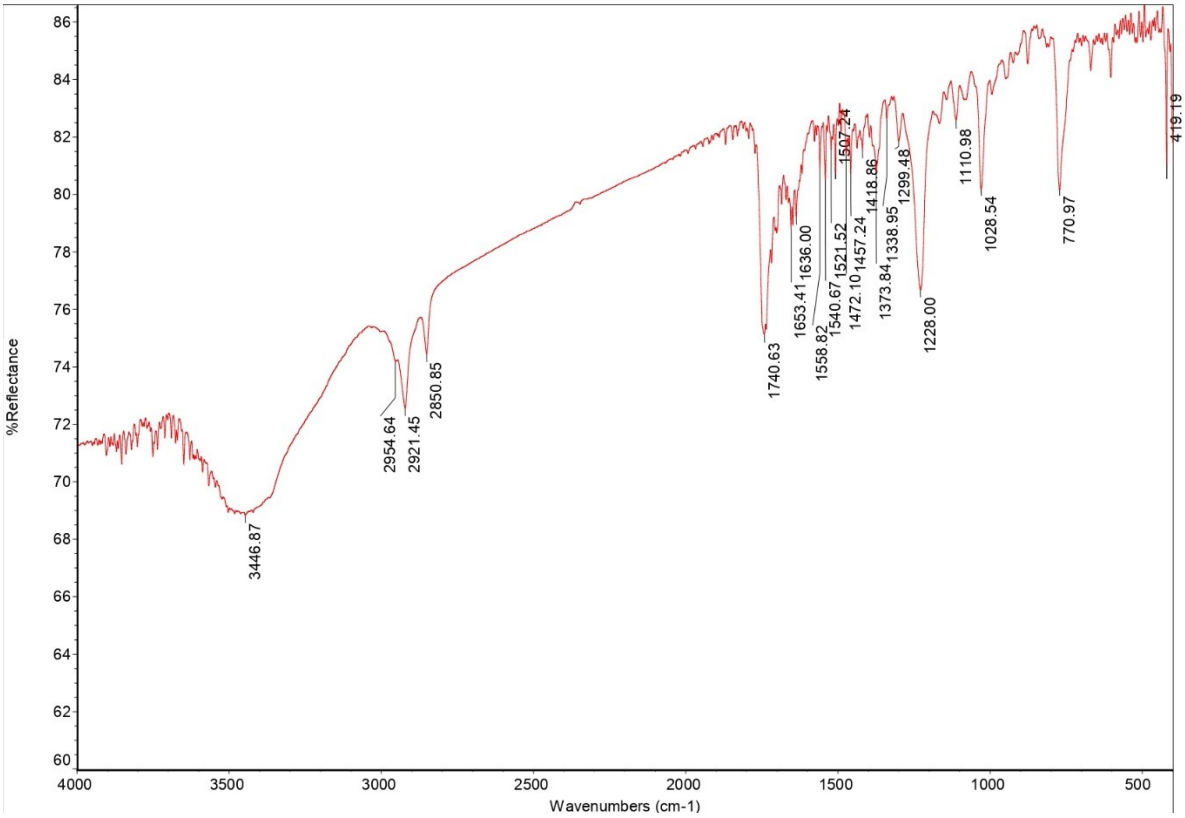

Figure S11. IR spectrum of swetemicrolide B (**2**).

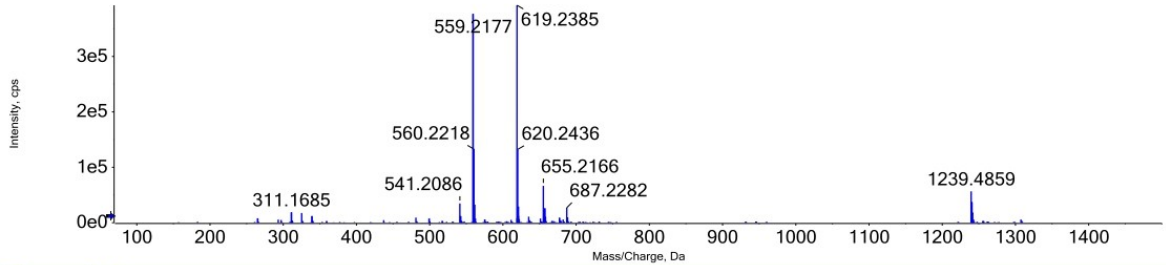

Figure S12. HRESIMS spectrum of swetemicrolide B (**2**).

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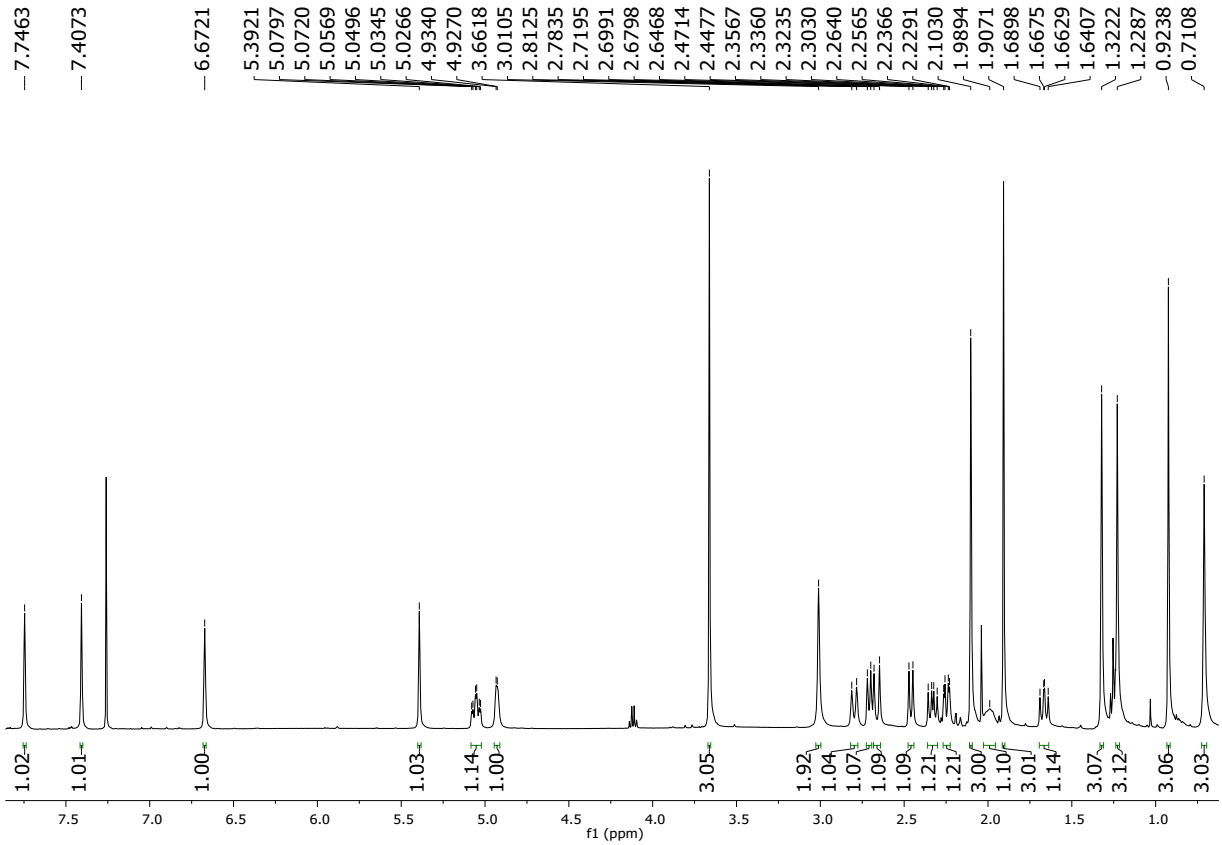

Figure S13. ^{1}H NMR spectrum of swetemicrolide B (**2**) in $CDCl_3$ (500MHz)

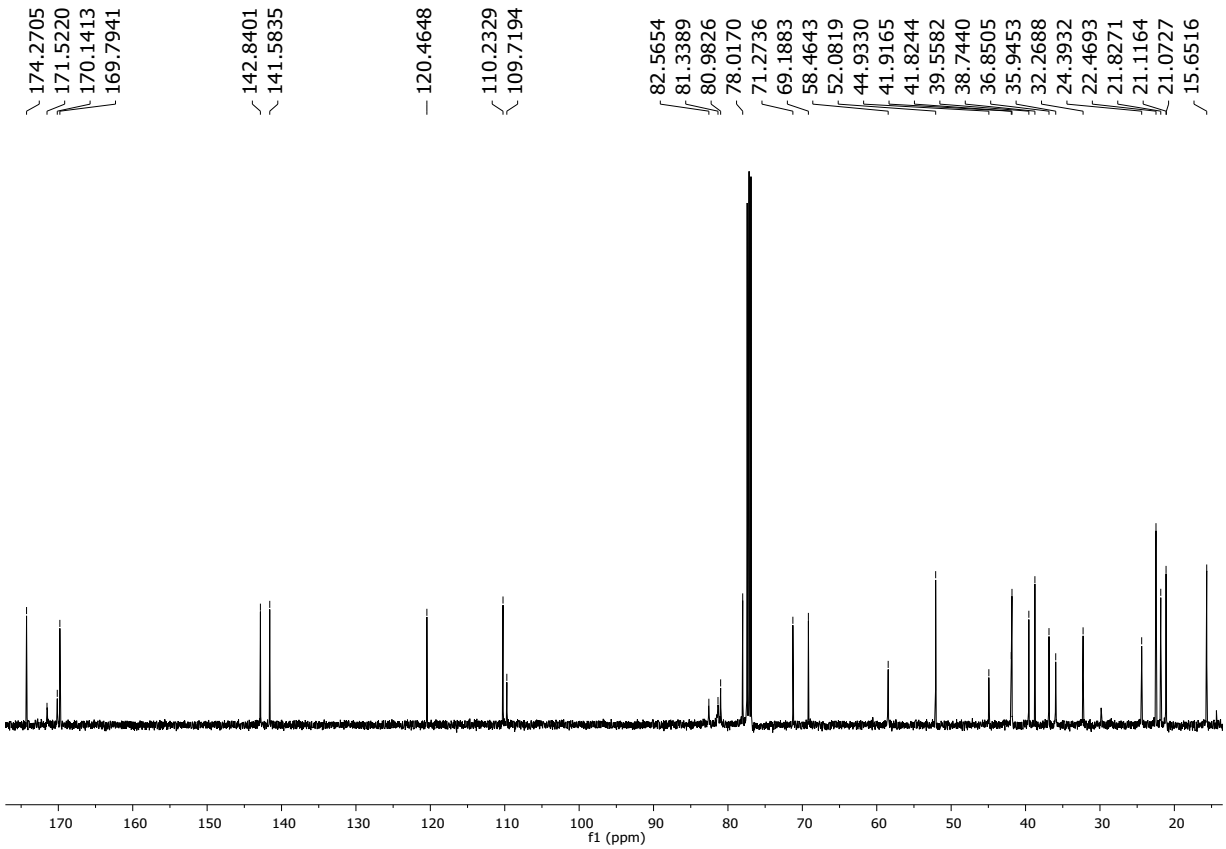

Figure S14. ^{13}C NMR spectrum of swetemicrolide B (**2**) in $CDCl_3$ (125MHz)

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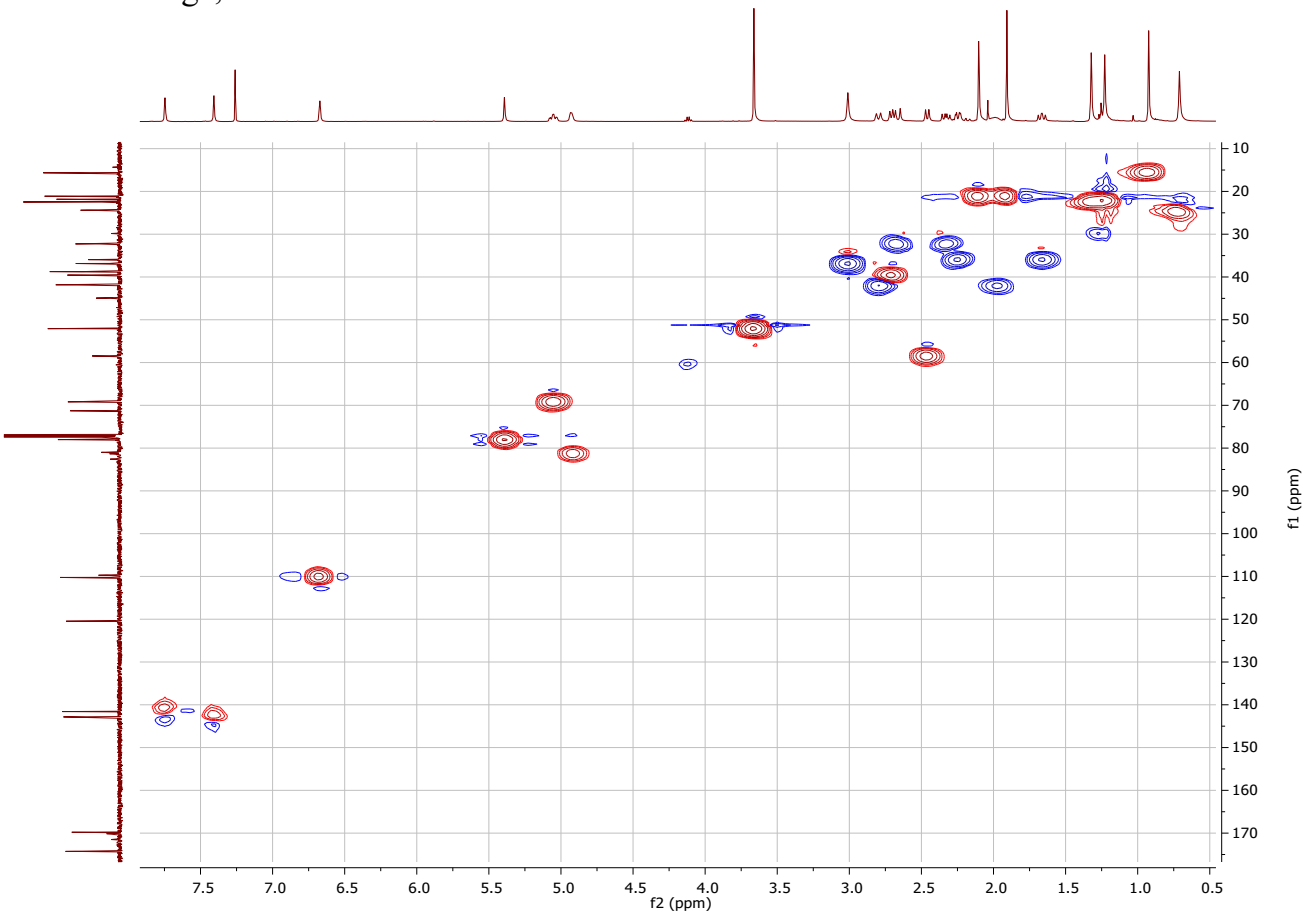

Figure S15. HSQC spectrum of swetemicrolide B (**2**) in $CDCl_3$

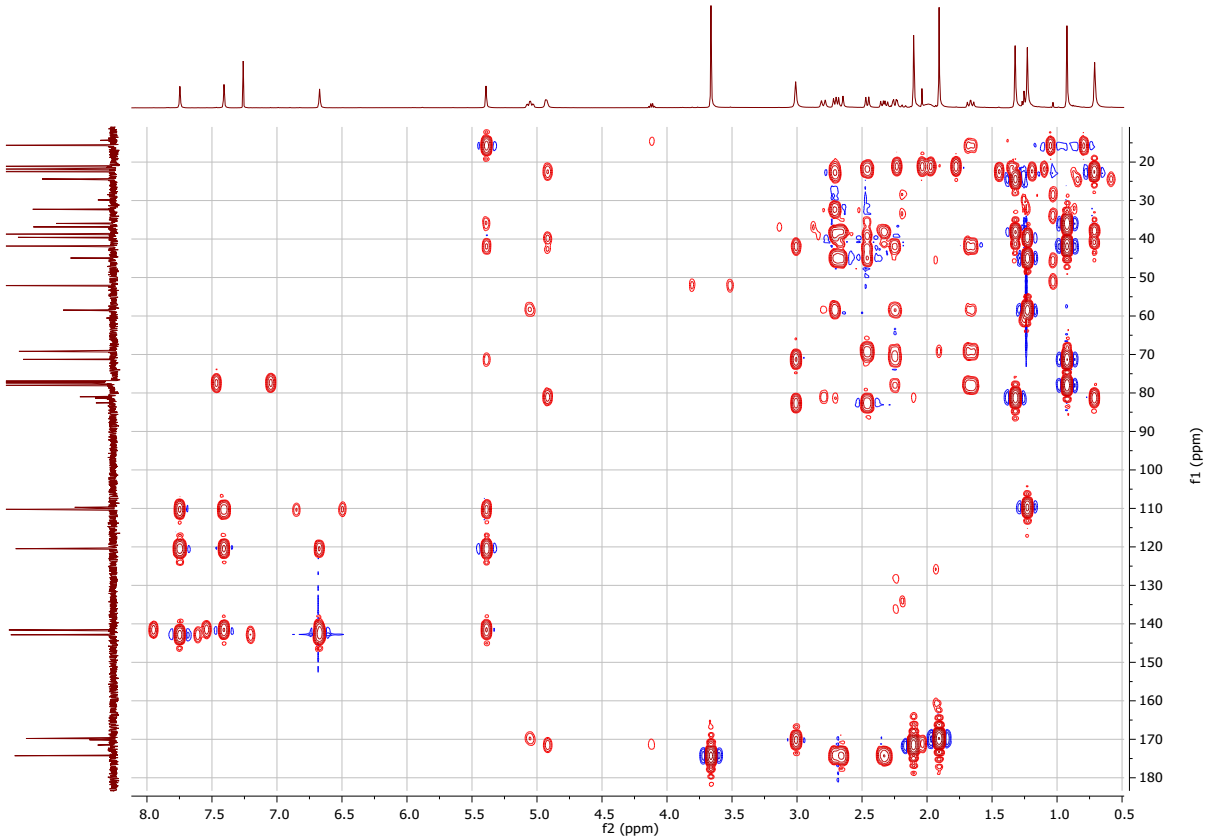

Figure S16. HMBC spectrum of swetemicrolide B (**2**) in $CDCl_3$

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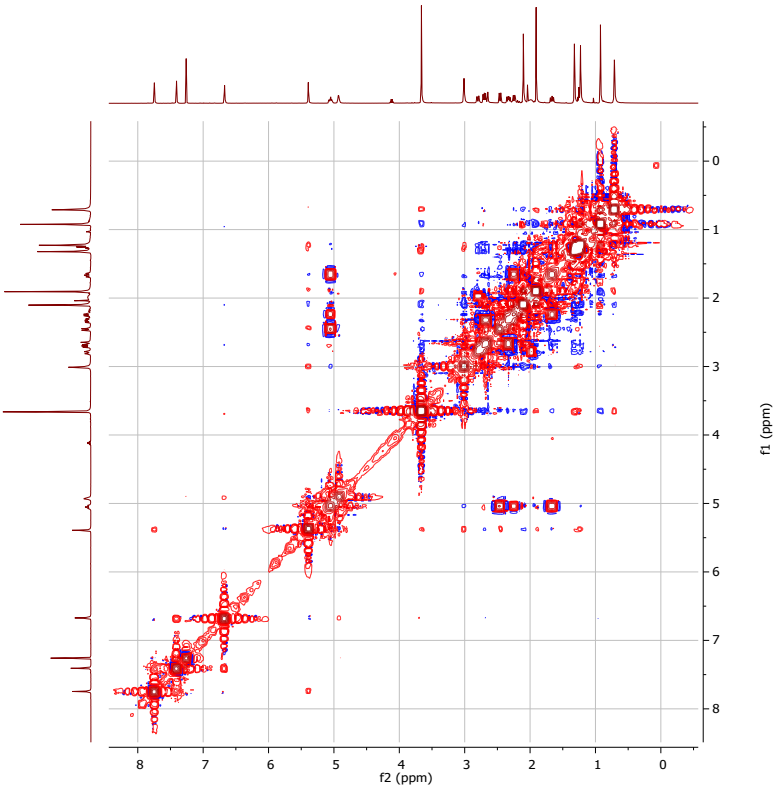

Figure S17. ^{1}H – ^{1}H COSY spectrum of swetemicrolide B (**2**) in $CDCl_3$

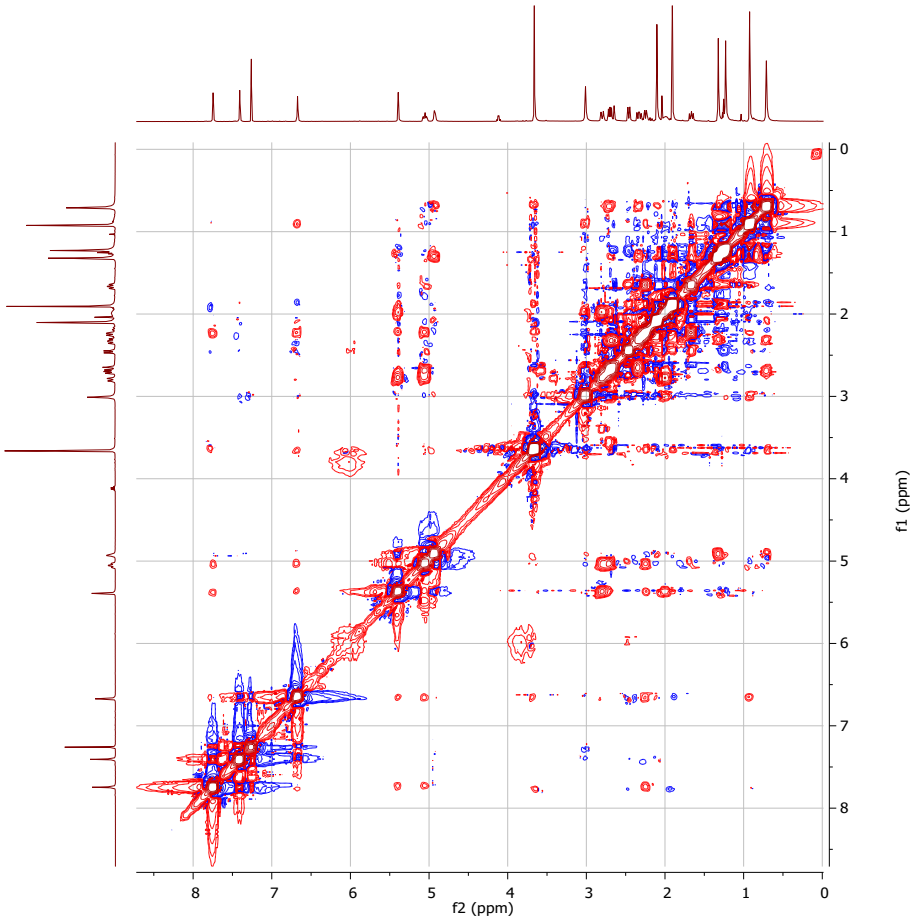

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Figure S18. NOESY spectrum of swetemicrolide B (**2**) in $CDCl_3$

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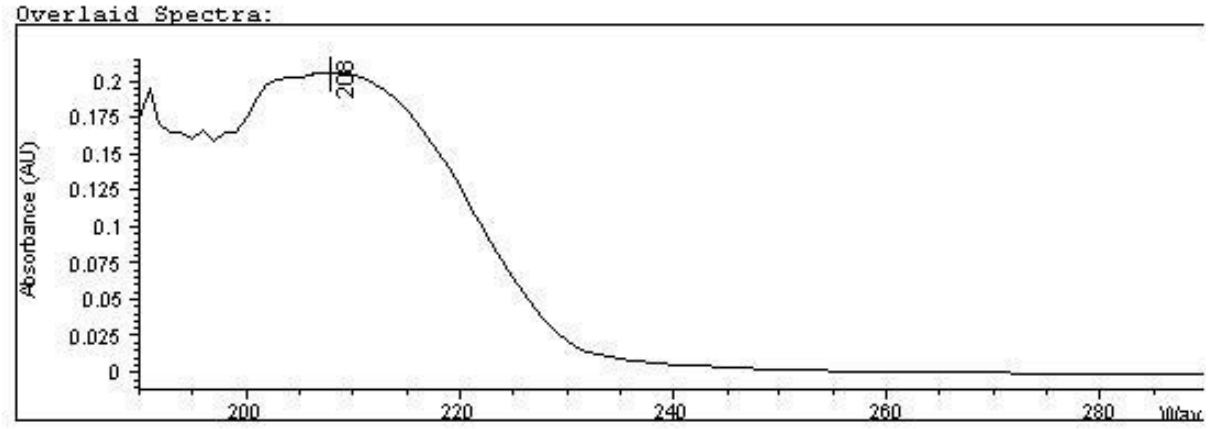

Figure S19. UV spectrum of swetemicrolide C (**3**).

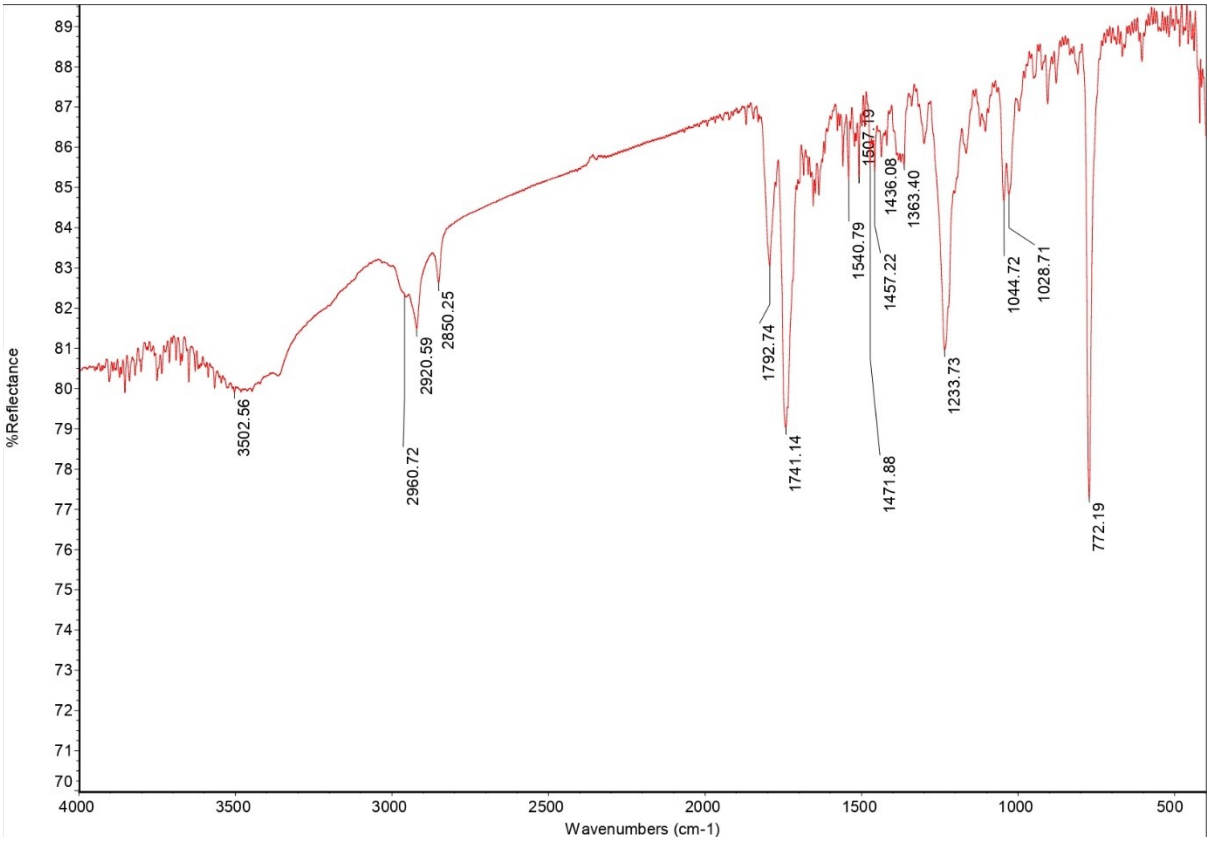

Figure S20. IR spectrum of swetemicrolide C (**3**).

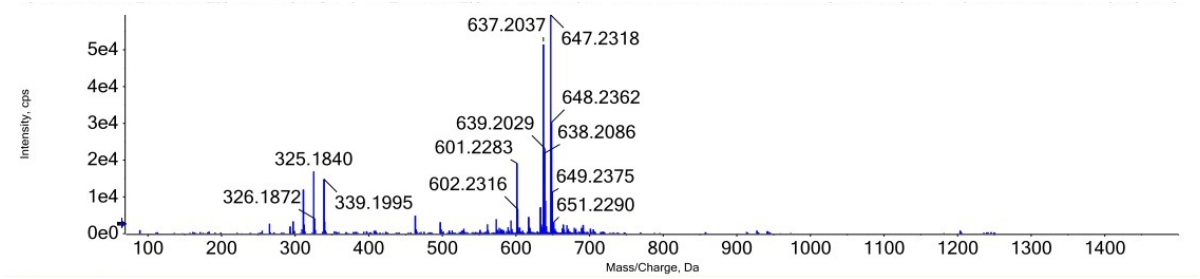

Figure S21. HRESIMS spectrum of swetemicrolide C (**3**).

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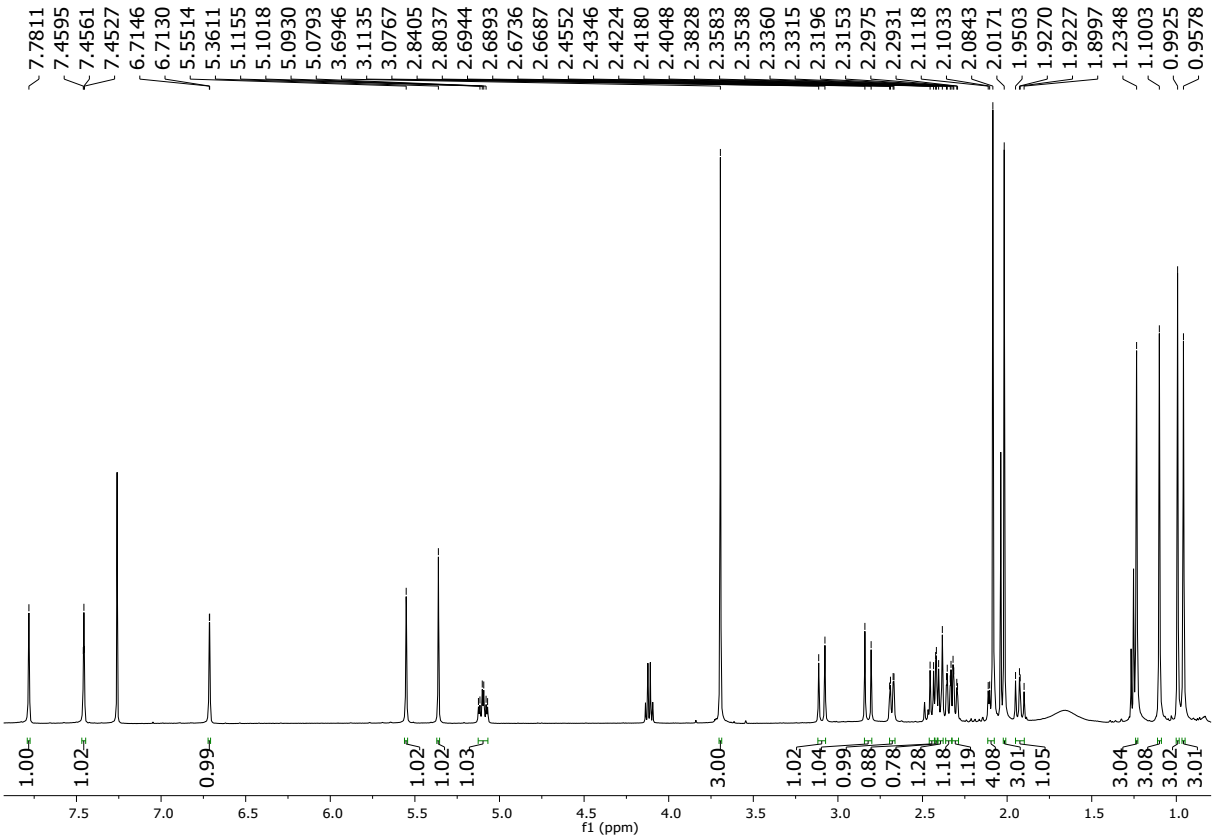

Figure S22. ^{1}H NMR spectrum of swetemicrolide C (**3**) in $CDCl_3$ (500MHz)

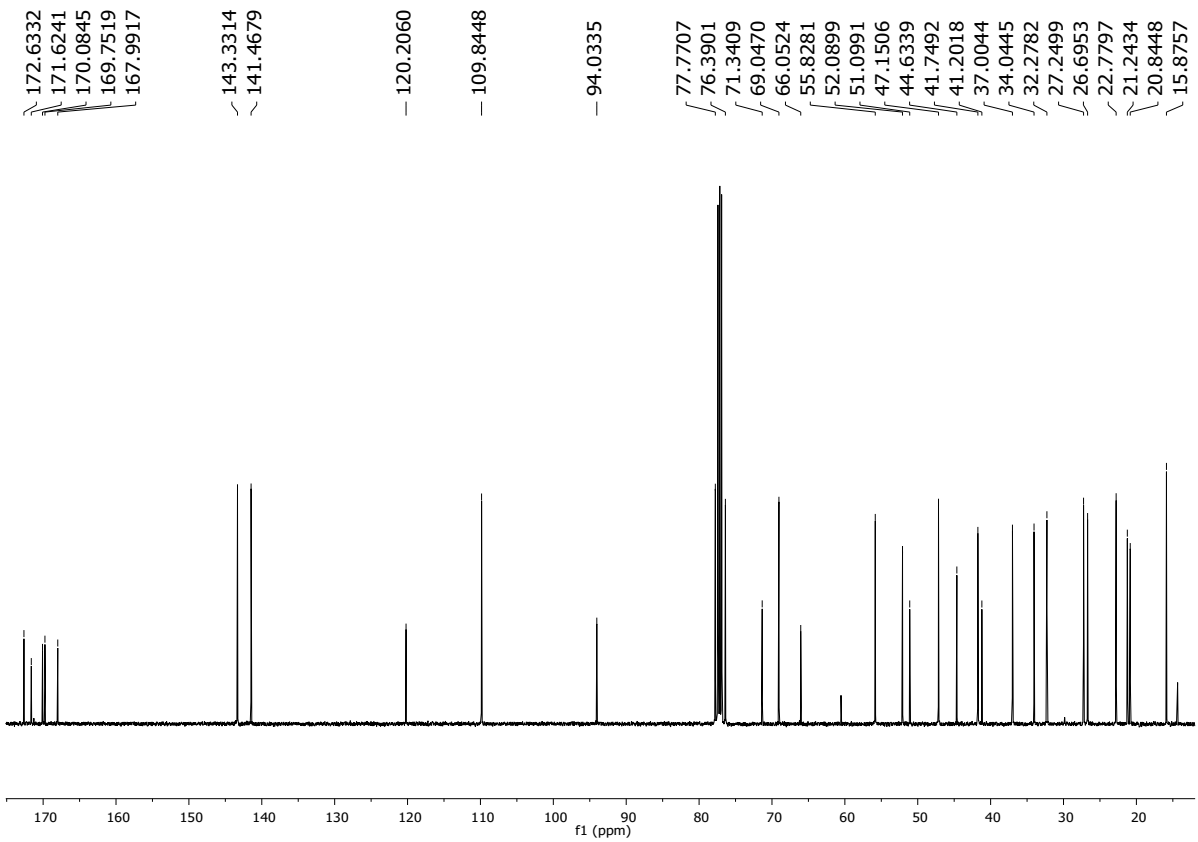

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Figure S23. ^{13}C NMR spectrum of swetemicrolide C (**3**) in $CDCl_3$ (125MHz)

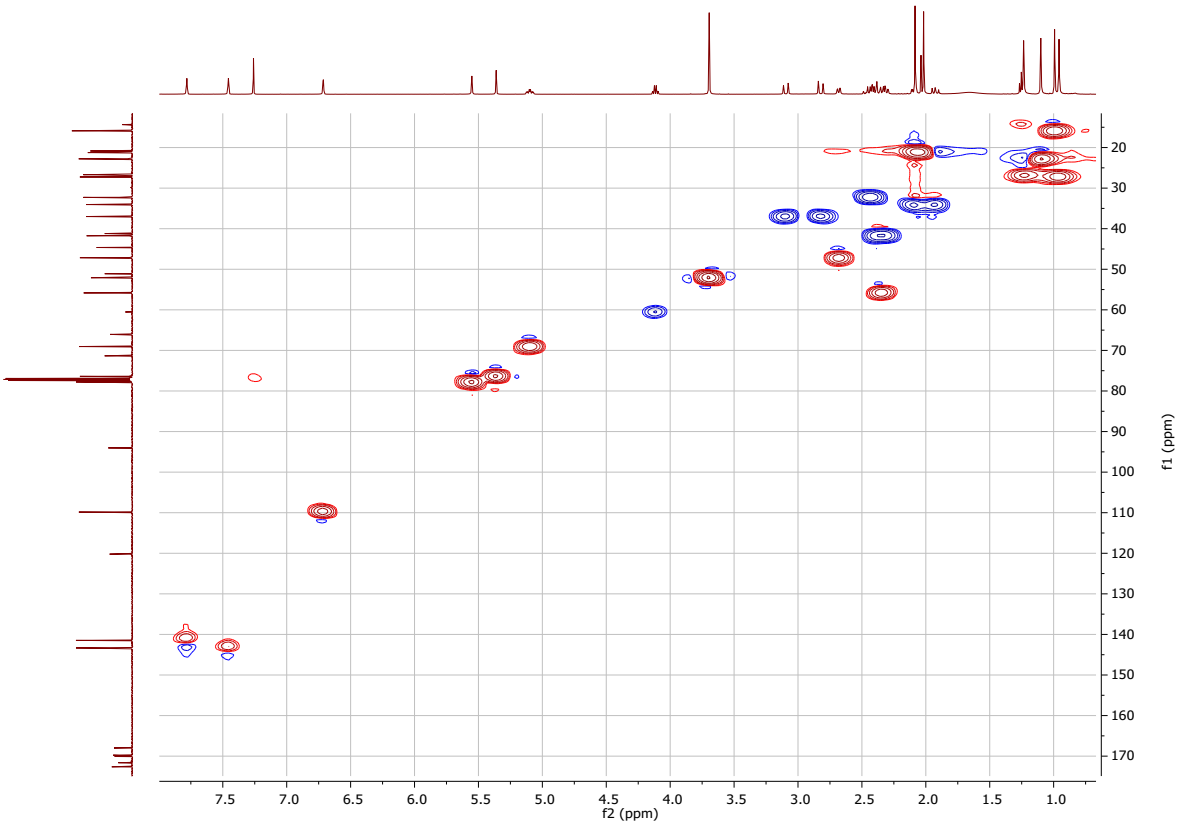

Figure S24. HSQC spectrum of swetemicrolide C (**3**) in $CDCl_3$

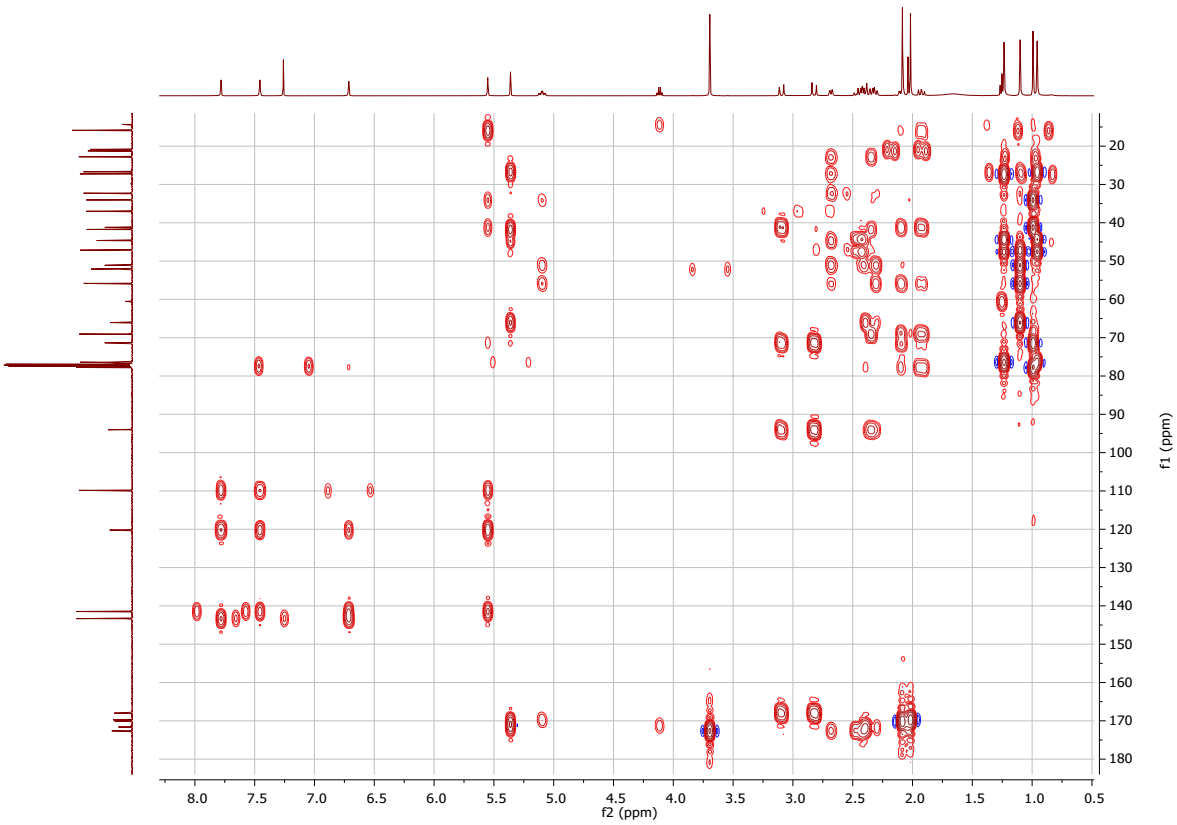

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Figure S25. HMBC spectrum of swetemicrolide C (**3**) in $CDCl_3$

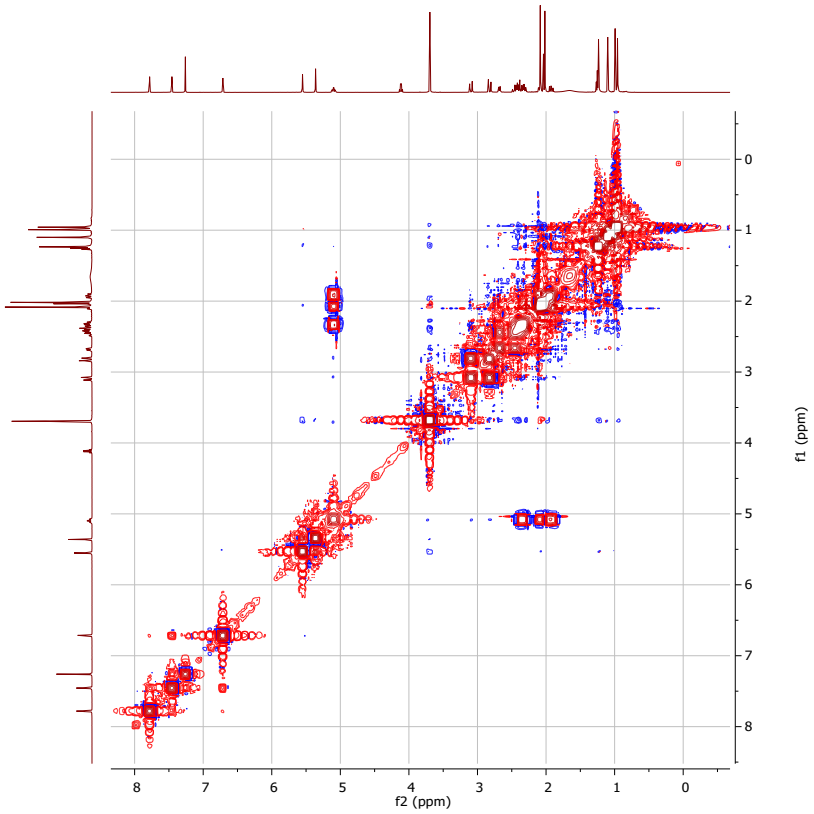
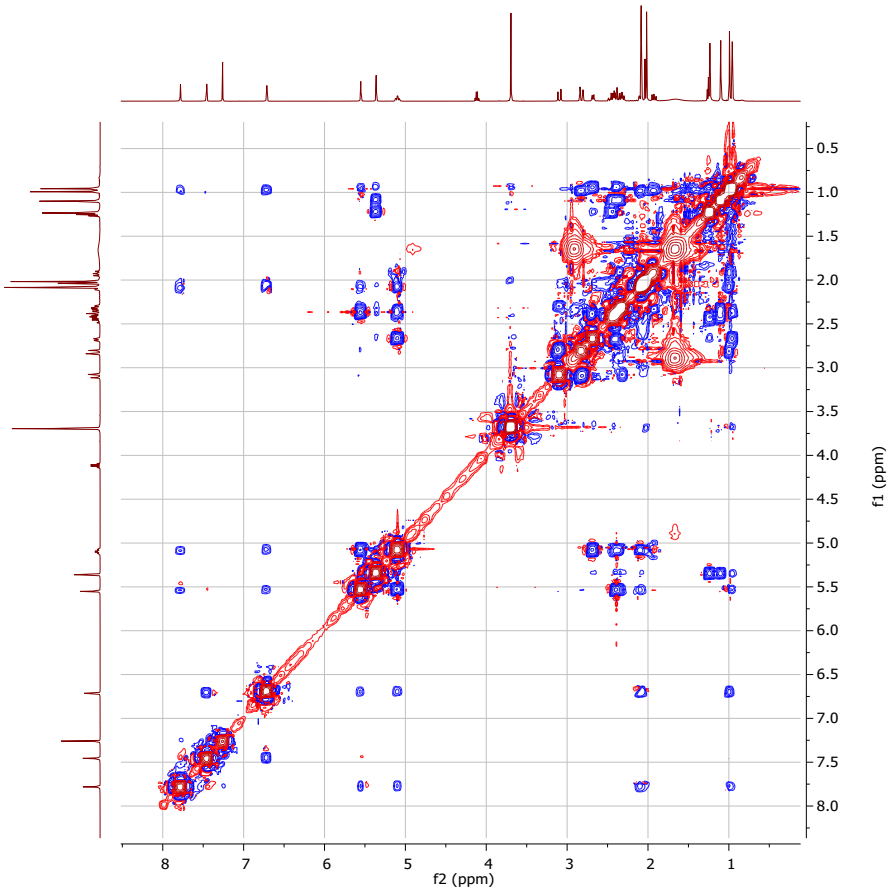


Figure S26. ^1H – ^1H COSY spectrum of swetemicrolide C (**3**) in $CDCl_3$



This version of the supplementary information published on 26th November 2025 replaces the original version published on 14th March 2024. This is to reflect the title change, as outlined in the correction notice.

Figure S27. NOESY spectrum of swetemicrolide C (**3**) in $CDCl_3$

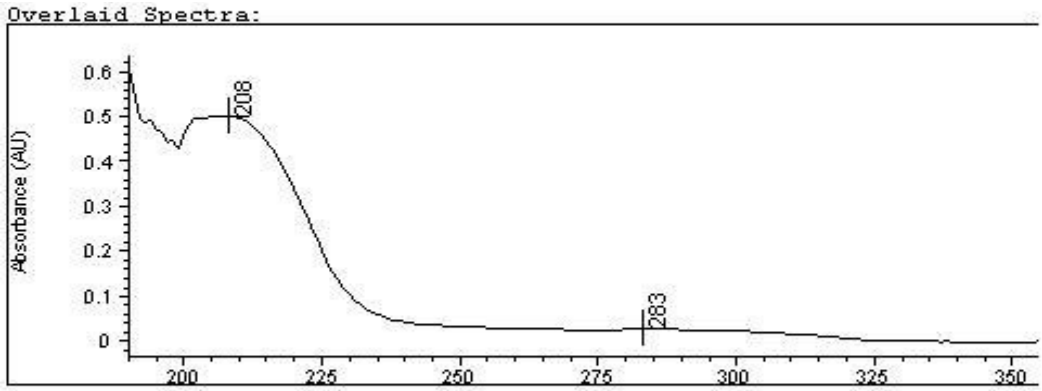


Figure S28. UV spectrum of swetemicrolide D (**4**).

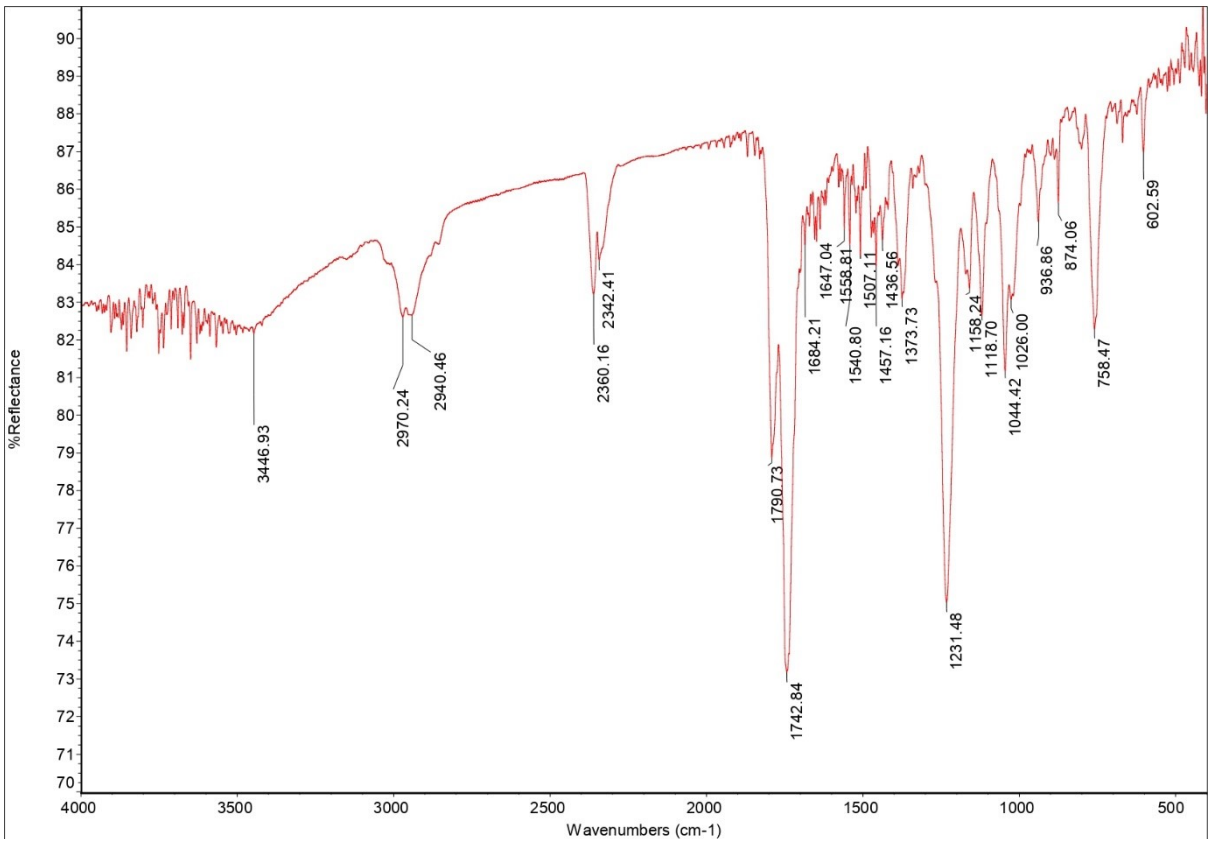


Figure S29. IR spectrum of swetemicrolide D (**4**).

This version of the supplementary information published on 26th November 2025 replaces the original version published on 14th March 2024. This is to reflect the title change, as outlined in the correction notice.

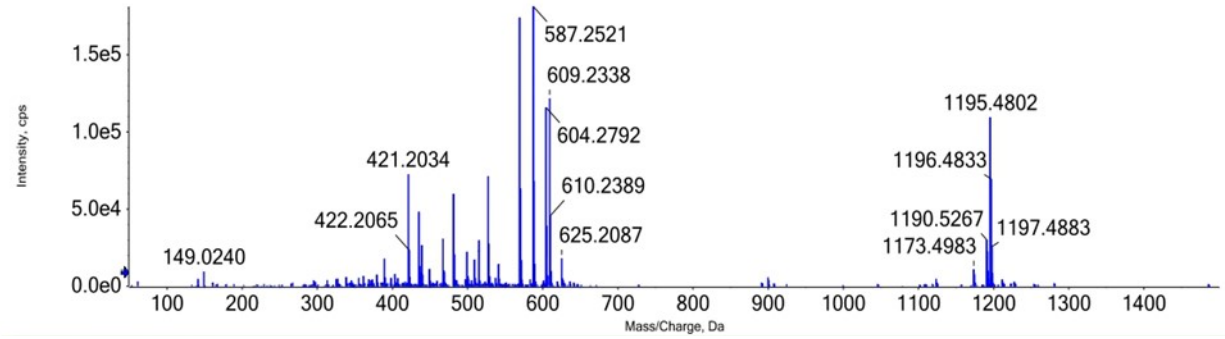


Figure S30. HRESIMS spectrum of swetemicrolide D (**4**).

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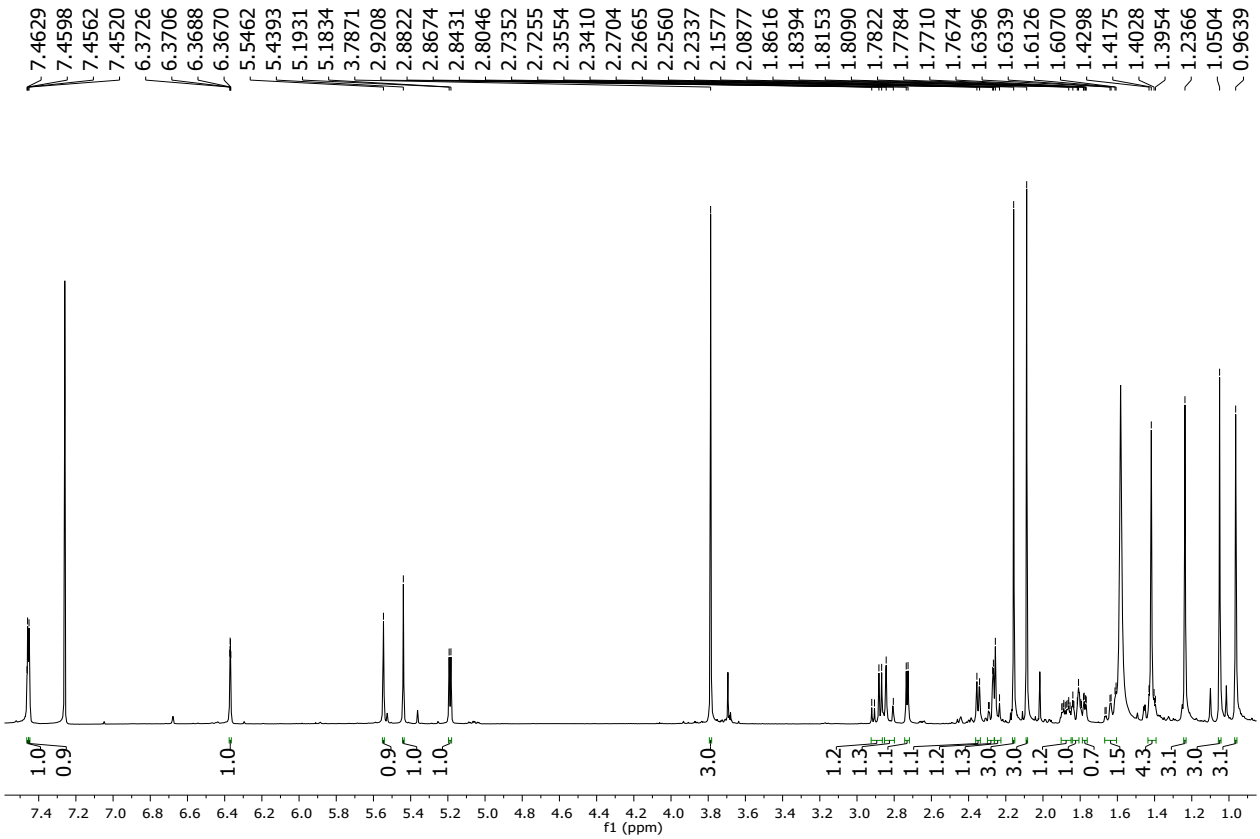

Figure S31. ^{1}H NMR spectrum of swetemicrolide D (**4**) in $CDCl_3$ (500MHz)

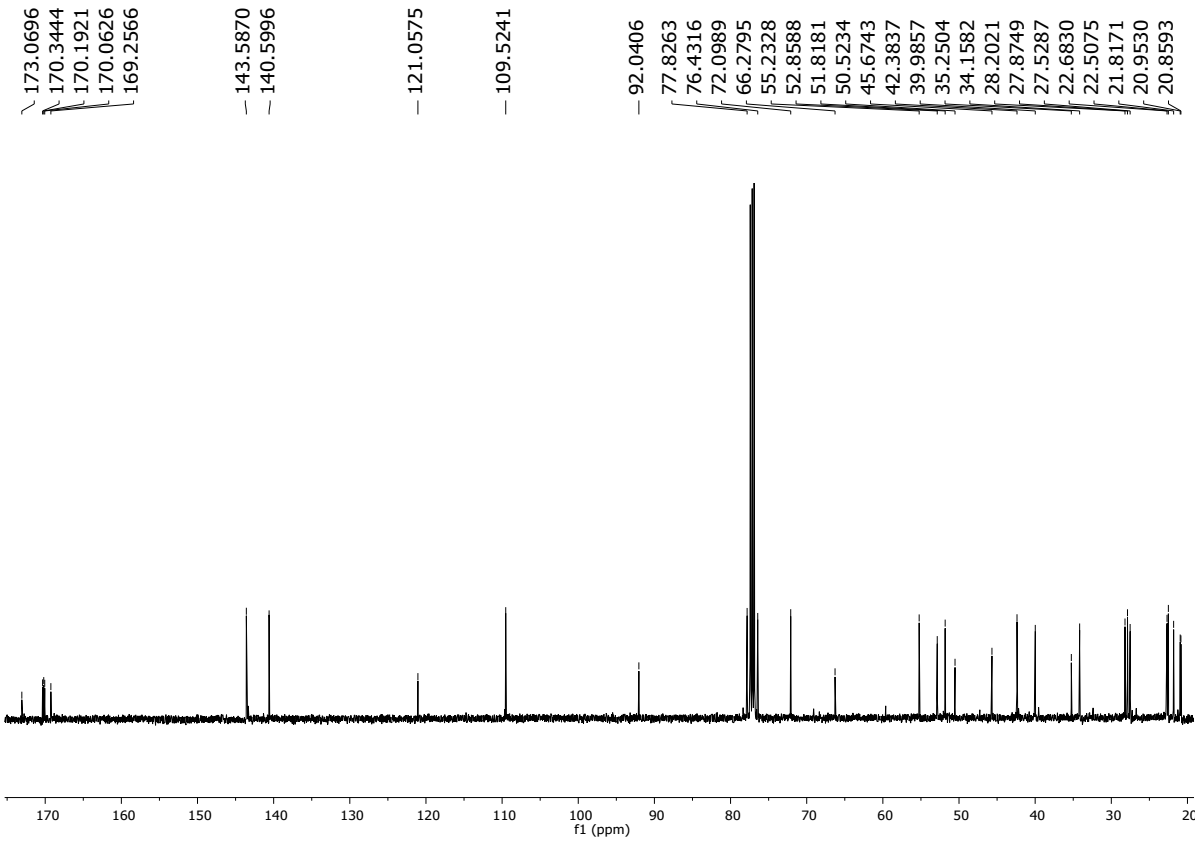

Figure S32. ^{13}C NMR spectrum of swetemicrolide D (**4**) in $CDCl_3$ (125MHz)

This version of the supplementary information published on 26th November 2025 replaces the original version published on 14th March 2024. This is to reflect the title change, as outlined in the correction notice.

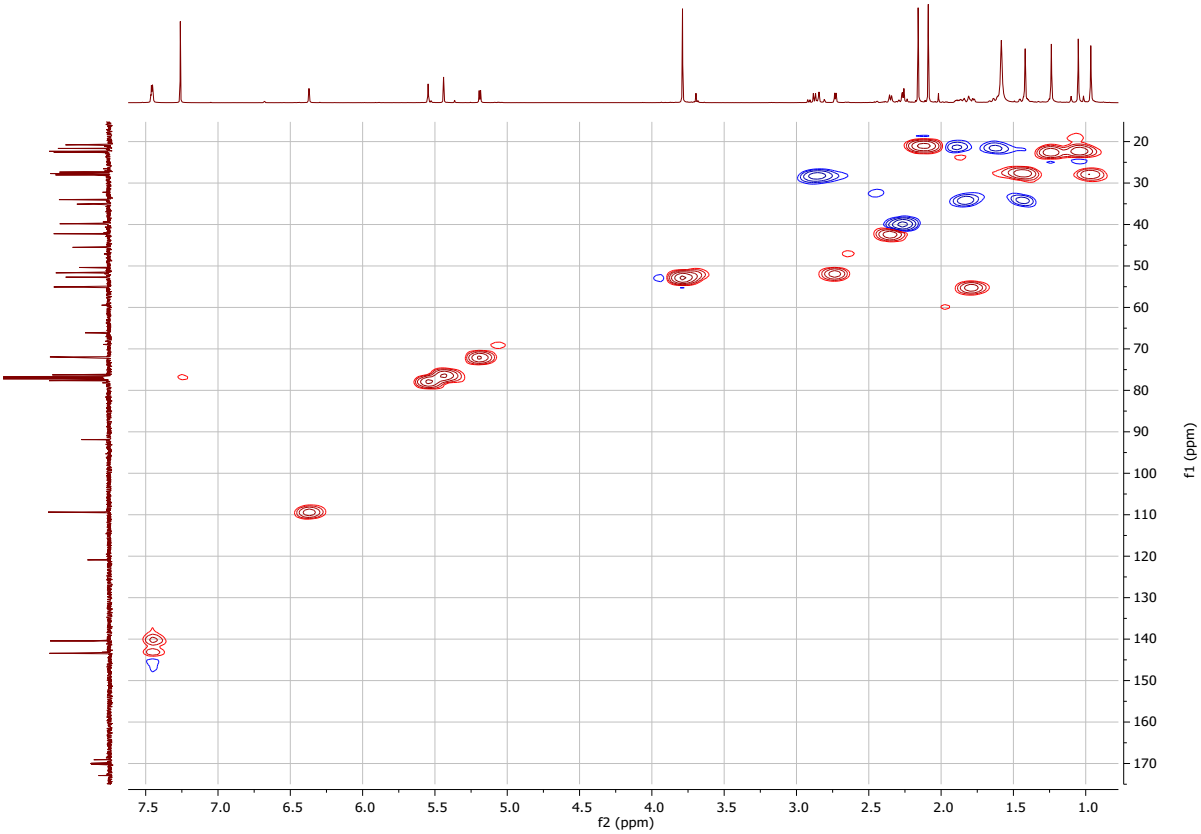

Figure S33. HSQC spectrum of swetemicrolide D (**4**) in $CDCl_3$

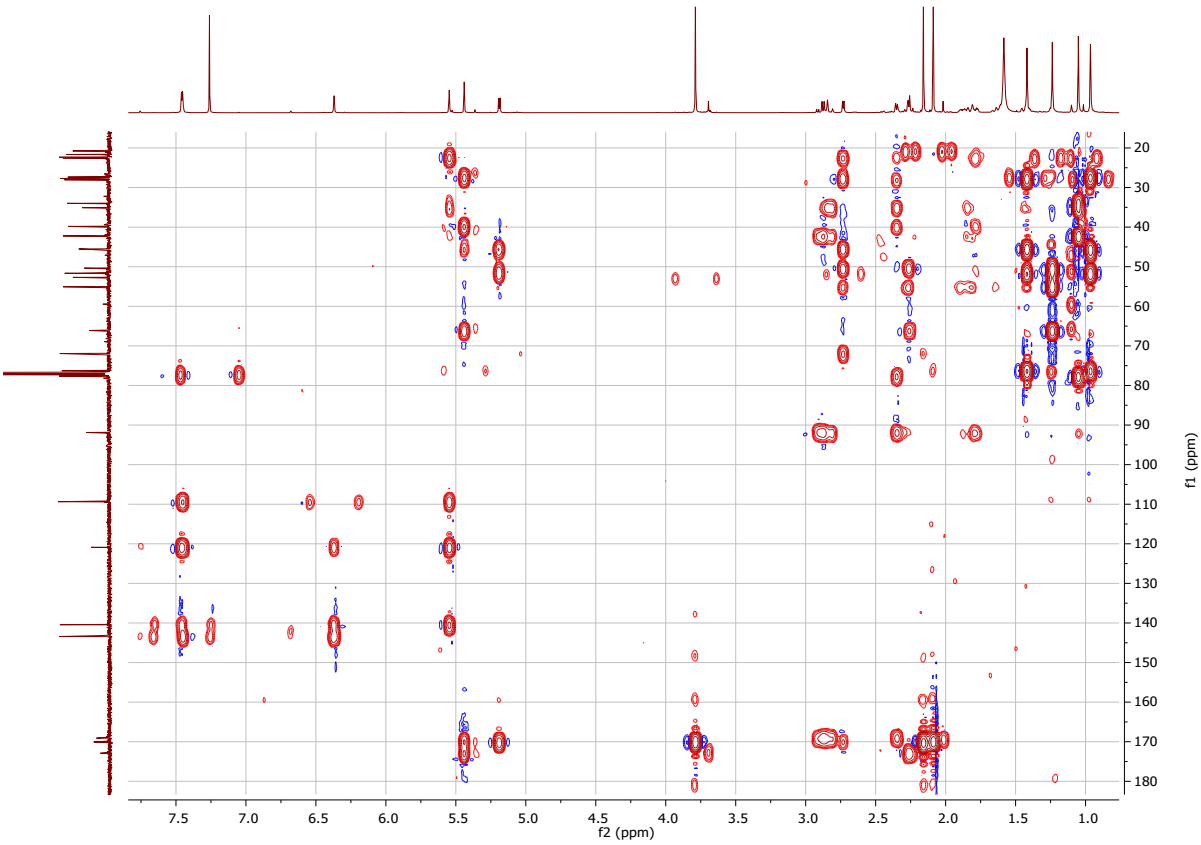

Figure S34. HMBC spectrum of swetemicrolide D (**4**) in $CDCl_3$

This version of the supplementary information published on 26th November 2025 replaces the original version published on 14th March 2024. This is to reflect the title change, as outlined in the correction notice.

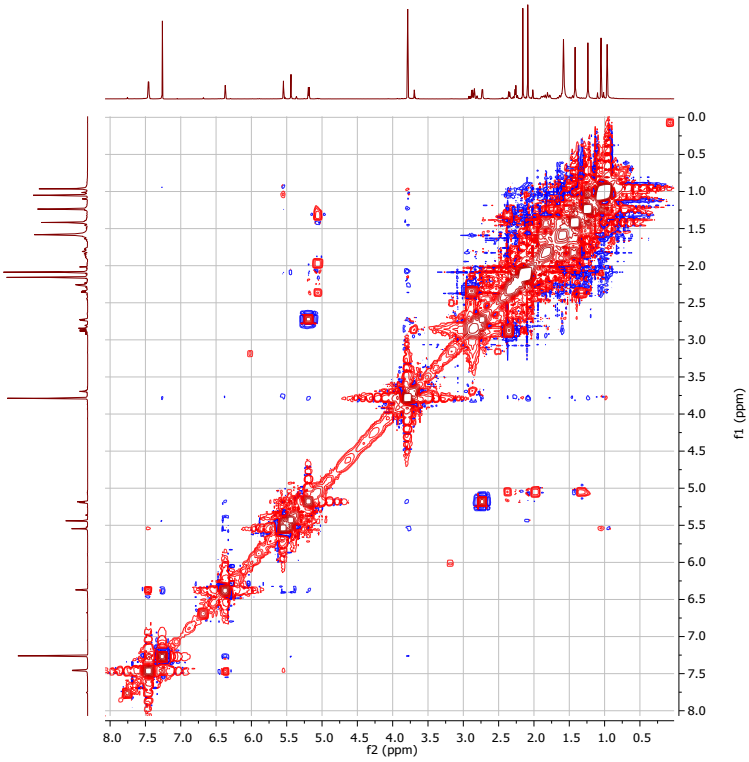

Figure S35. ^{1}H – ^{1}H COSY spectrum of swetemicrolide D (**4**) in $CDCl_3$

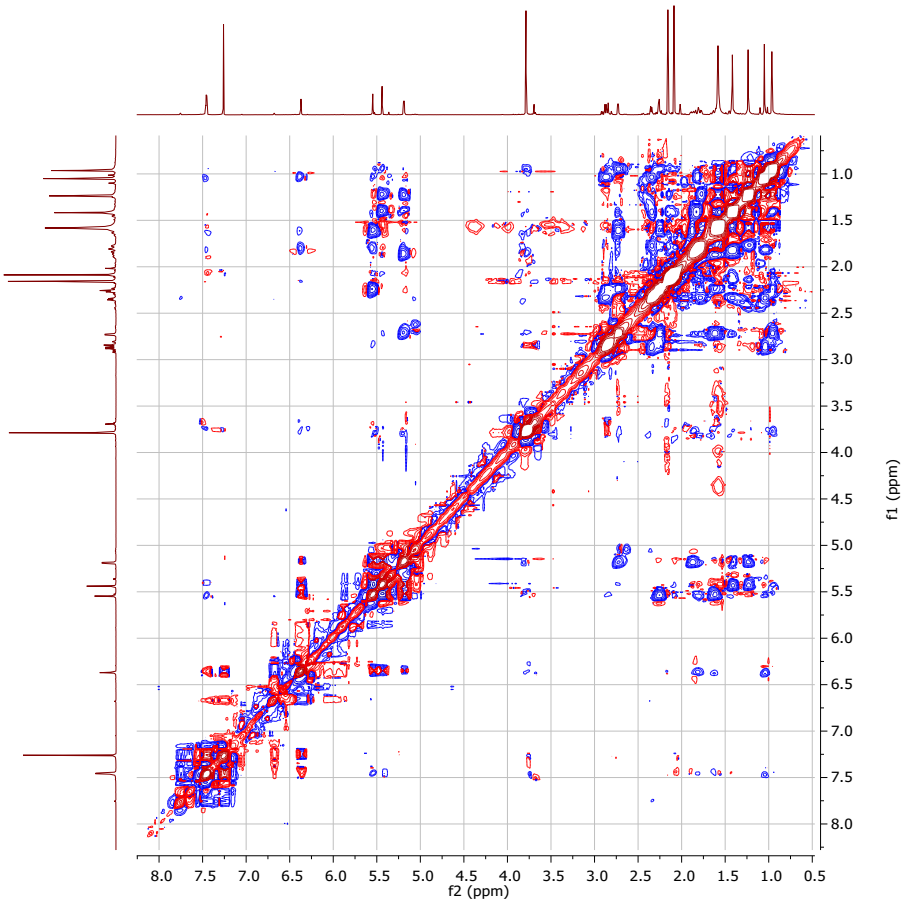

Figure S36. NOESY spectrum of swetemicrolide D (**4**) in $CDCl_3$

This version of the supplementary information published on 26th November 2025 replaces the original version published on 14th March 2024. This is to reflect the title change, as outlined in the correction notice.

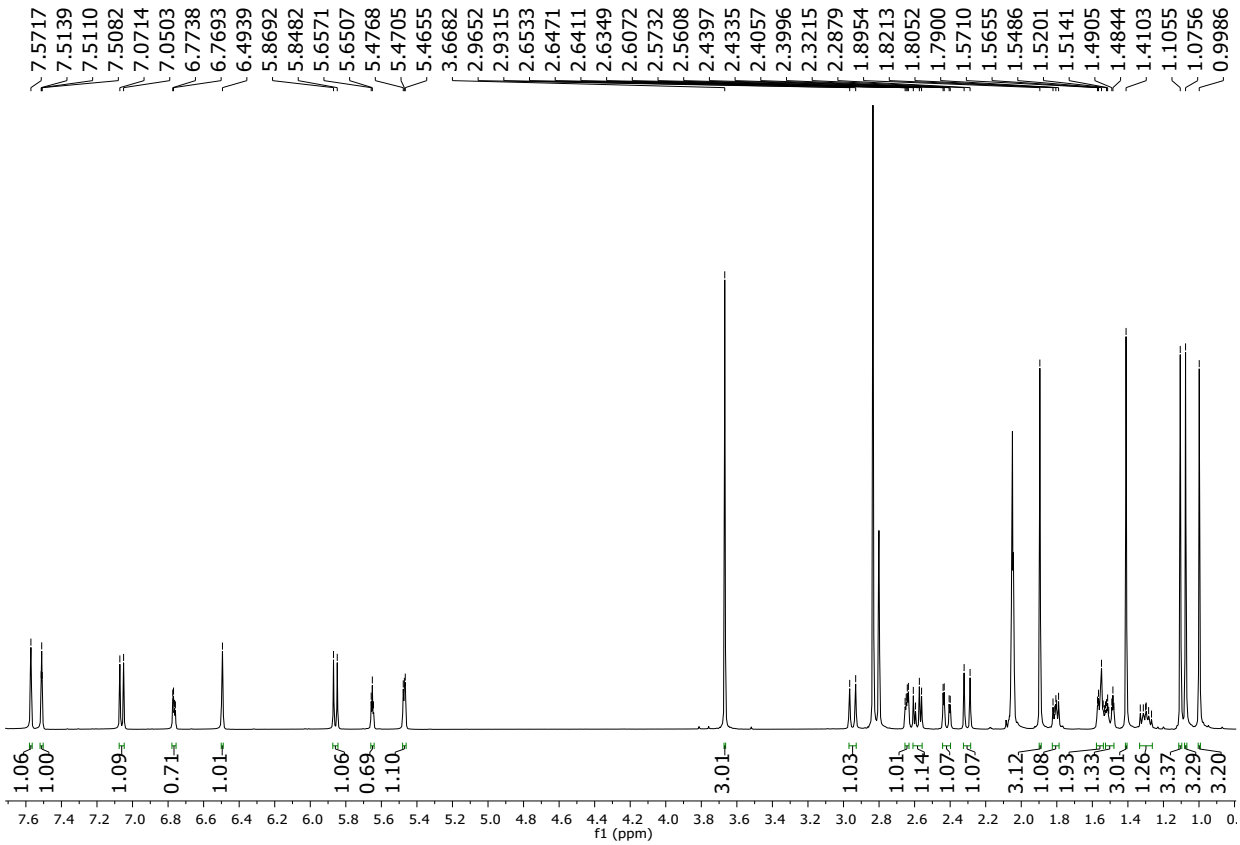

Figure S37. ^{1}H NMR spectrum of swiemahogin A (**5**) in acetone-d_6 (500MHz)

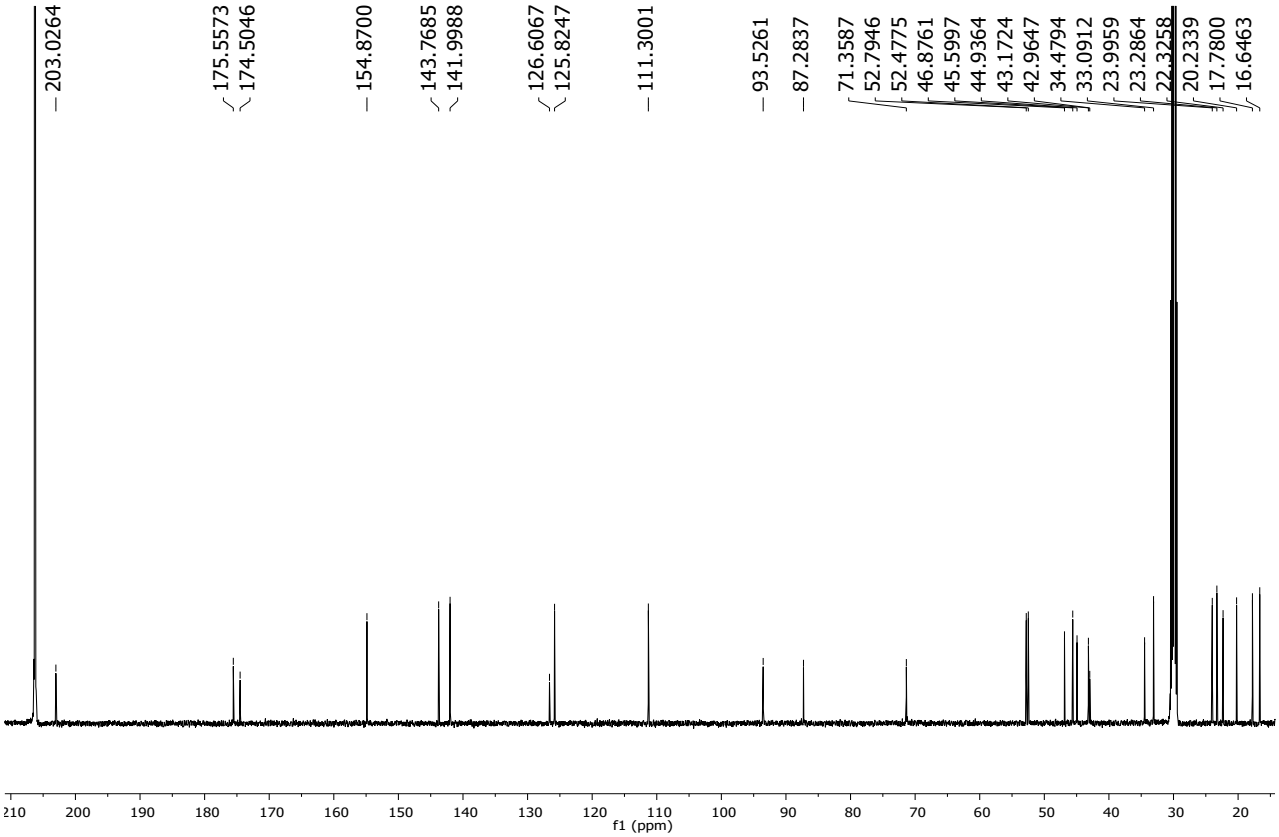

Figure S38. ^{13}C NMR spectrum of swiemahogin A (**5**) in acetone-d_6 (125MHz)

This version of the supplementary information published on 26th November 2025 replaces the original version published on 14th March 2024. This is to reflect the title change, as outlined in the correction notice.

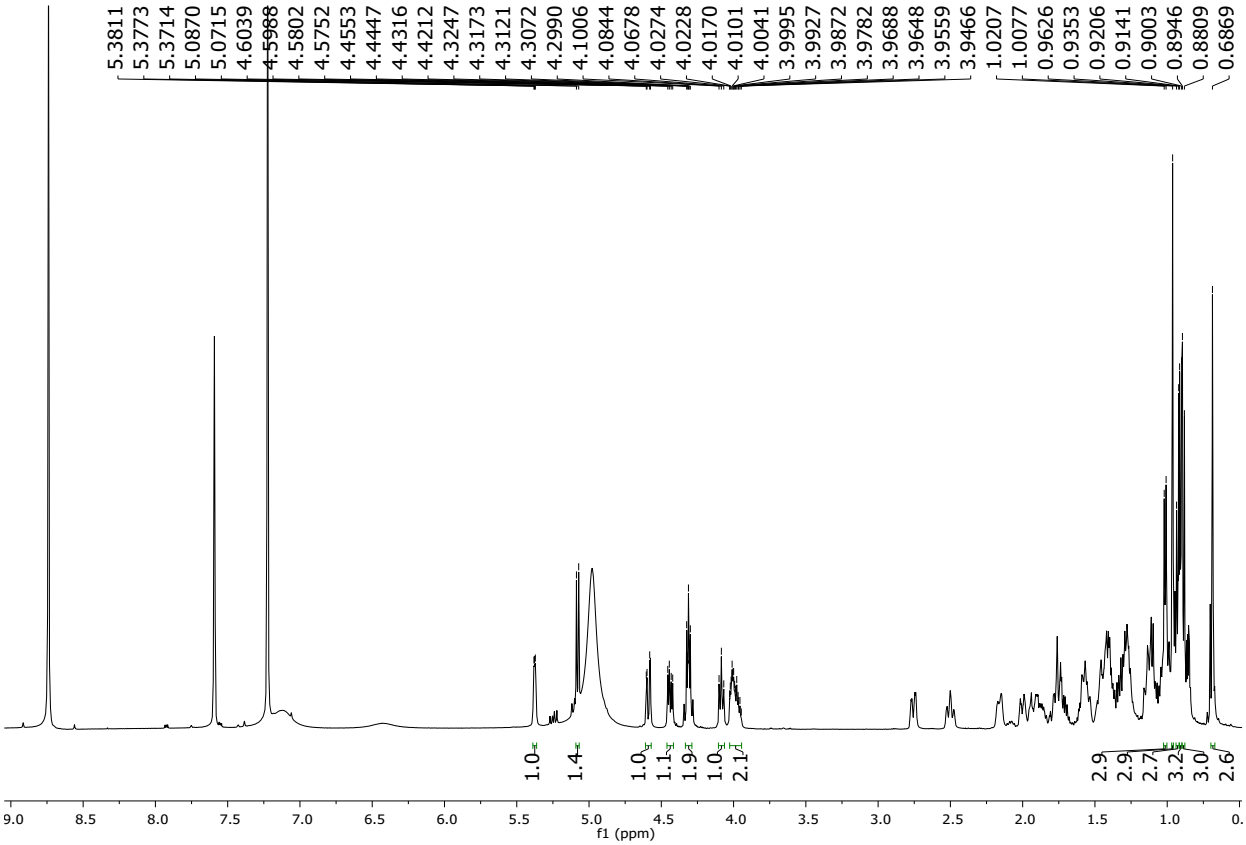

Figure S39. ^{1}H NMR spectrum of *β*-sitosterol-3-*O*-*β*-D-glucopyranoside (**6**) in pyridine-d_5 (500MHz)

This version of the supplementary information published on 26th November 2025 replaces the original version published on 14th March 2024. This is to reflect the title change, as outlined in the correction notice.

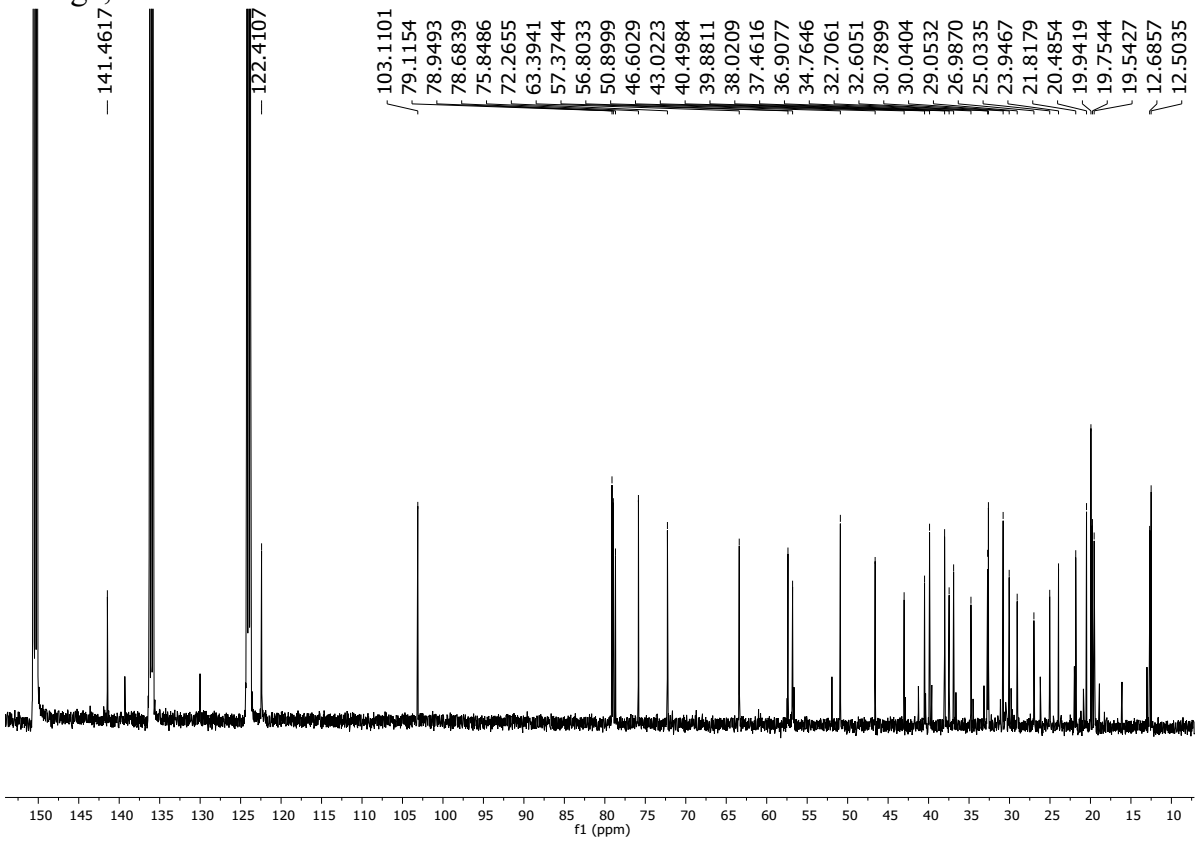

Figure S40. ^{13}C NMR spectrum of *β*-sitosterol-3-*O*-*β*-D-glucopyranoside (**6**) in pyridine-d_5 (125MHz)

This version of the supplementary information published on 26th November 2025 replaces the original version published on 14th March 2024. This is to reflect the title change, as outlined in the correction notice.

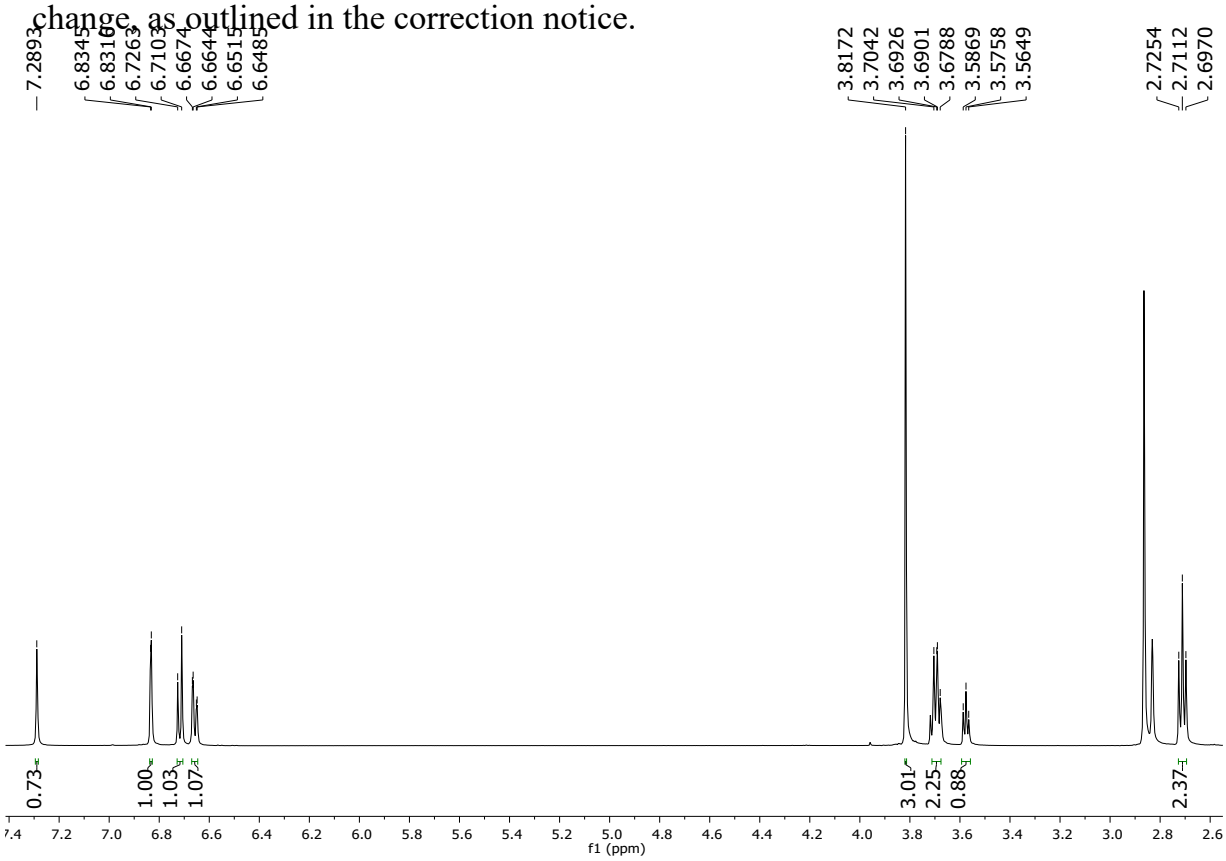

Figure S41. ^{1}H NMR spectrum of homovanillyl alcohol (**7**) in acetone-d_6 (500MHz)

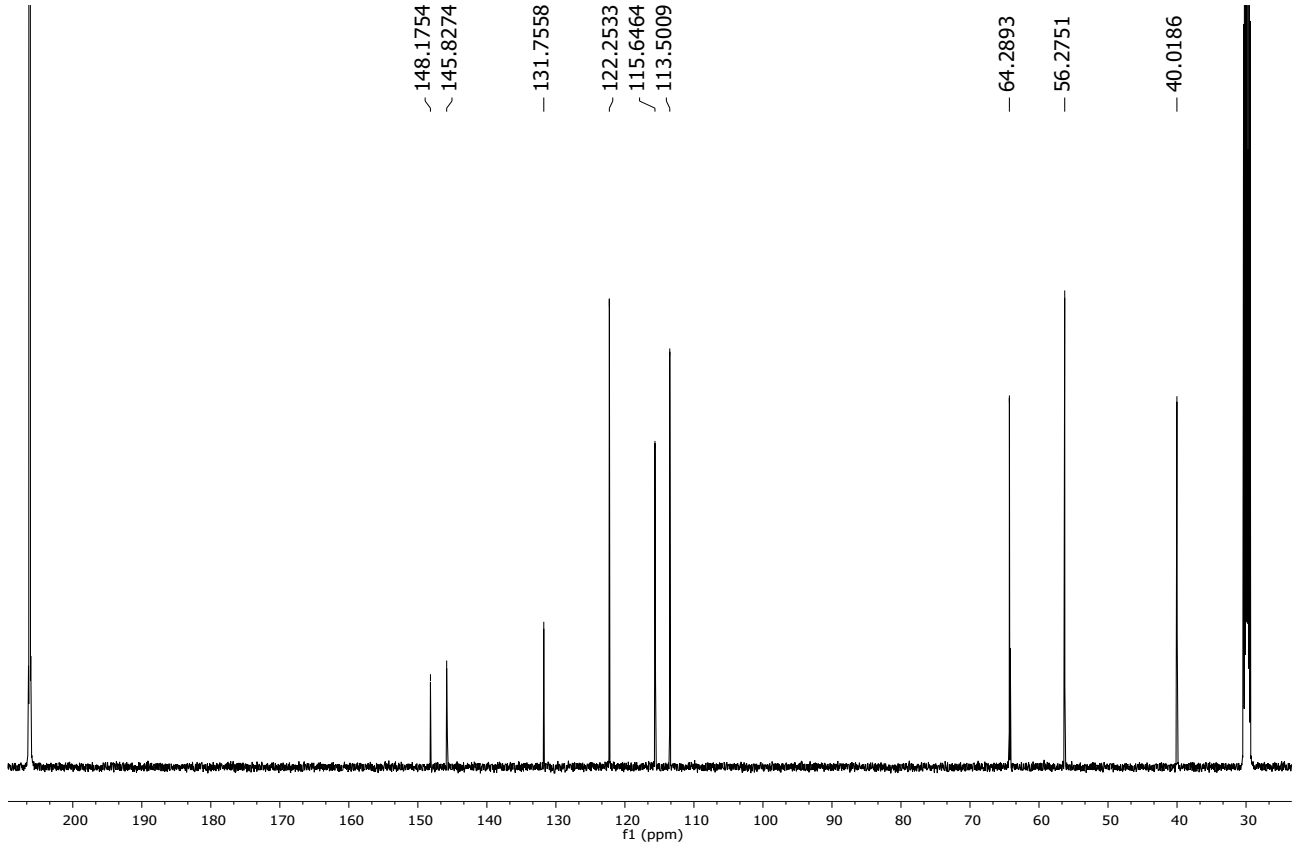

Figure S42. ^{13}C NMR spectrum of homovanillyl alcohol (**7**) in acetone-d_6 (125MHz)