Electronic Supplementary Information

Structurally diverse stilbene dimers from *Gnetum montanum* Markgr.: Studies on the ^{1}H chemical shift differences between dimeric stilbene epimers correlating to the relative configurations

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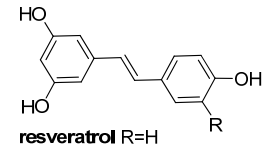
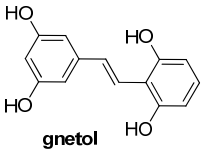
Content

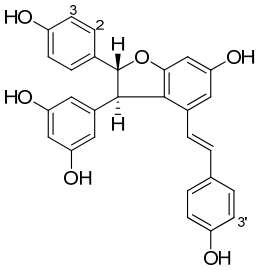
Chart S1. Structures of known stilbenoids



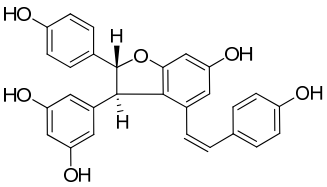
resveratrol R=H
isorhapontigenin R=OMe



gnetol



15
16 (3,3'-di-OMe)
17 (2-OH)



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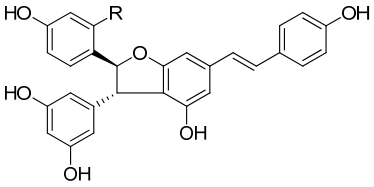
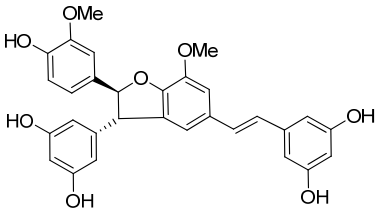


19 R=H
20 R=OH



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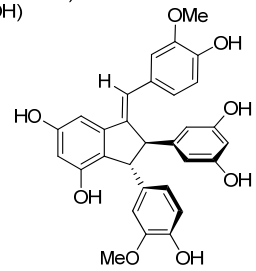

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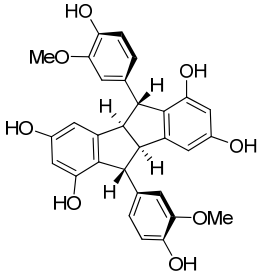

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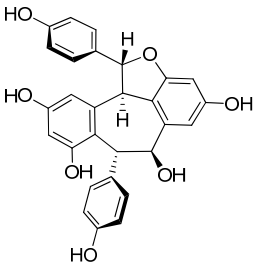
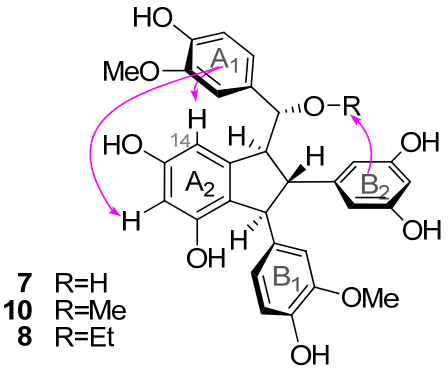
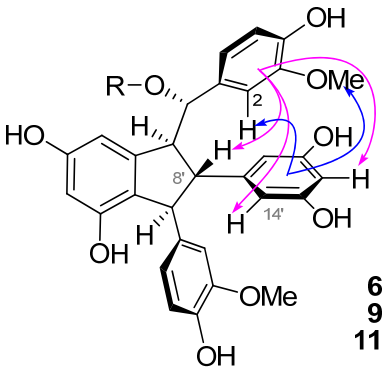


24

Table S1 ^{1}H NMR data of 6-11 (in acetone-d_6)



7 R=H
10 R=Me
8 R=Et

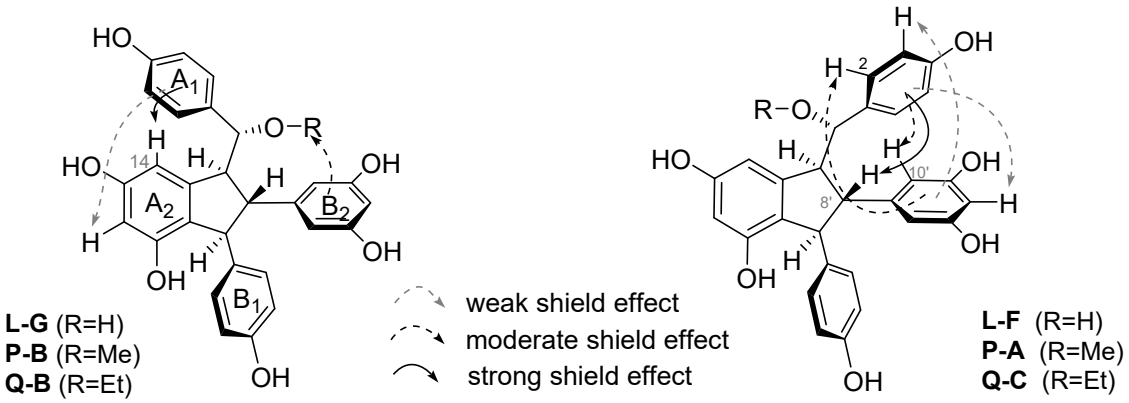


6 R=H
9 R=Me
11 R=Et

No.	7	10	8	6	9	11
2	6.93 (d, 1.7)	6.84 (d, 1.6)	6.85 (d, 1.7)	6.55 (d, 1.6)	6.37 (d, 1.7)	6.37(d, 1.7)
5	6.68 (d, 8.0)	6.71 (d, 8.0)	6.71 (d, 8.0)	6.67 (d, 8.0)	6.68 (d, 7.9)	6.67 (d, 8.0)
6	6.64 (dd, 8.1,1.7)	6.60 (dd, 8.0, 1.6)	6.60 (dd, 1.7, 8.0)	6.51 (dd, 8.0, 1.6)	6.41 (dd, 7.9, 1.7)	6.41 (dd, 8.0, 1.7)
7	4.56 (d, 7.3)	3.98 (d, 7.3)	4.07 (d, 7.8)	4.50 (d, 8.0)	3.93 (d, 9.1)	4.02(d, 9.2)
8	3.48 (dd, 7.3, 4.5)	3.48 (dd, 7.3, 5.2)	3.43 (dd, 7.8, 4.5)	3.38 (dd, 8.0, 3.5)	3.29 (dd, 9.1, 3.1)	3.27 (dd, 9.2, 3.0)
12	6.22 (d, 1.9)	6.21 (d, 2.0)	6.22 (d, 2.0)	6.32 (d, 1.9)	6.34 (d, 2.2)	6.34 (d, 2.0)
14	5.98 (br s)	6.02 (d, 2.0)	5.93 (br s)	6.62 (d, 1.9)	6.67 (d, 2.2)	6.72 (br s)
2'	6.61 (d, 1.8)	6.45 (d, 1.7)	6.54 (d, 1.8)	6.64 (d, 1.6)	6.61 (d, 2.0)	6.62 (d, 1.7)
5'	6.67 (d, 8.1)	6.63 (d, 8.0)	6.68 (d, 8.1)	6.72 (d, 8.1)	6.73 (d, 8.0)	6.73 (d, 8.0)
6'	6.46 (dd, 1.8, 8.1)	6.36 (dd, 8.1, 1.8)	6.44 (dd, 1.8, 8.0)	6.46 (dd, 8.0, 1.6)	6.45 (dd, 8.0, 2.0)	6.46 (dd, 8.1, 1.7)
7'	4.22 (d, 4.2)	4.16 (d, 4.6)	4.23 (d, 4.0)	4.23 (d 2.9)	4.22 (d, 2.8)	4.22 (d, 2.8)
8'	3.41 (dd, 4.5, 4.2)	3.23 (dd, 5.0, 4.9)	3.36 (dd, 4.5, 4.0)	2.96 (dd, 3.5, 2.9)	2.81 (dd, 3.1, 2.8)	2.81 (t, 2.9)
10'(14')	6.13 (d, 2.2)	6.12 (d, 2.0)	6.16 (d, 2.0)	5.91 (d, 2.1)	5.80 (d, 2.2)	5.81 (d, 2.2)
12'	6.16 (t, 2.1)	6.17 (t, 2.0)	6.18 (t, 2.0)	6.12 (t, 2.1)	6.09 (t ,2.2)	6.09 (t, 2.2)
3-OMe	3.72 (s)	3.69 (s)	3.73 (s)	3.64 (s)	3.62 (s)	3.62 (s)
3'-OMe	3.70 (s)	3.64 (s)	3.69 (s)	3.72 (s)	3.73 (s)	3.73 (s)
7'-OR		3.00 (s)	3.24 (dq, 9.3, 7.0)		3.04 (s)	3.24 (dq, 9.2, 7.0)
			3.04 (dq, 9.3, 7.0)			3.12 (dq, 9.2, 7.0)
			0.99 (t ,7.0)			1.06 (t, 7.0)
$[\alpha]_D$	–8.9 (0.05)	-8.1 (0.06)	– 8.1 (0.04)	-8.5 (0.055)	-8.3 (0.06)	-7.0 (0.05)

6–**11**: (-)-gnetuhanin I (**6**), gnemontanins E (**7**) and F (**8**), lehmbachols A (**9**), B (**10**), and C (**11**).

Table S2 ^{1}H NMR data of head-tail indane-type resveratrol dimers.



No.	L-G[a]	P-B[a]	Q-B[b]	L-F[a]	P-A[a]	Q-C[b]
2(6)	7.07 (d, 8)	7.05 (d, 8.5)	6.95 (d 8.5)	6.87 (d, 8)	6.88 (d 8.5)	6.66 (d, 8.5)
3(5)	6.72 (d, 8)	6.82 (d, 8.5)	**6.12** (d, 8.5)*	6.68 (d, 8)	6.72 (d, 8.8)	6.60 (d, 8.5)
7	4.48 (d**d**, 8, 4)	4.30 (d, 8.0)	3.95 (d, 8.5)	4.47 (dd, 8, 4)	3.94 (d, 9.1)	3.95 (d, 9.5)
8	3.40 (dd, 8, 4)	3.42 (dd, 8.4, 3.5)	3.31 (m)	3.37 (dd, 8, 4)	3.33 (dd, 9.1, 3.0)	3.27 (m)
12	6.22 (d, 2)	6.27 (d, 2.0)	6.12 (d, 2)	6.30 (d, 2)	6.38 (d, 2.1)	6.24 (d, 2)
14	5.75 (d, 2)	5.74 (d, 1.8)	5.62 (d, 2)	6.57 (d, 2)	6.69 (d, 2.0)	6.67 (d, 2)
2'(6')	6.87 (d, 8)	6.89 (d, 8.4)	6.81 (d, 8.5)	6.85 (d, 8)	6.79 (d, 8.6)	6.79 (d, 8.5)
3'(5')	6.71 (d, 8)	6.77 (d, 8.6)	6.65 (d, 8.5)	6.73 (d, 8)	6.77 (d, 8.8)	6.68 (d, 8.5)
7'	4.26 (d, 4)	3.93 (d, 3.0)	4.21 (d, 3)	4.23 (d, 4)	4.25 (d, 2.6)	4.17 (d, 2.5)
8'	3.48 (t, 4)	3.46 (t, 3.5)	3.39 (m)	2.95 (t, 4)	2.84 (t, 2.9)	2.74 (dd, 3,2.5)
10'(14')	6.14 (d, 2)	6.09 (d, 1.8)	6.09 (d, 2)	5.92 (d,2)	5.85 (d, 2.2)	5.73 (d,2)
12'	6.16 (t, 2)	6.20 (t, 1.8)	6.07 (t, 2)	6.12 (t, 2)	6.14 (t, 2.2)	5.99 (t, 2)
7-OR	4.09 (d, 4, **OH**)	2.96 s	2.96 (dq, 9, 7)	4.02 (d, 4, **OH**)	3.06 (s)	3.14 (dq, 9.5,7)
			3.20 (dq, 9,7)			3.28 (dq, 9.5,7)
			0.96 (t, 7)			1.09 (t, 7)
$[\alpha]_D$		+7.3 (0.066)	0°		−17.9 (0.54)	−1

Recorded in acetone-d_6[a] or methanol-d_4[b]; *[sic] suspicious data;

Highlight represented to be shielded.

L-F/**L-G**: leachianols F/G[1]

P-A/**P-B**: parthenostilbenins A/B[2]

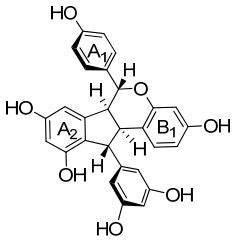
Q-B/**Q-C**: quadrangularins B/C[3]

[1] M. Ohyama, T. Tanaka and M. Iinuma, *Phytochemistry*, 1995, **38**, 733.

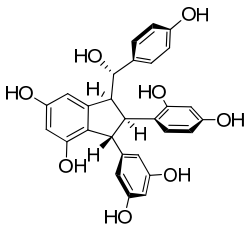
[2] H. J. Kim, M. Saleem, S. H. Seo, C. Jin and Y. S. Lee, *Planta medica*, 2005, **71**, 973.

[3] S. A. Adesanya, R. Nia, M.-T. Martin, N. Boukamcha, A. Montagnac and M. Paies, *J. Nat. Prod.*, 1999, **62**, 1694.

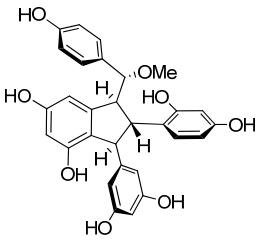
Table S3 ^{1}H NMR data of 12, 13 and related compounds (in acetone-d_6).



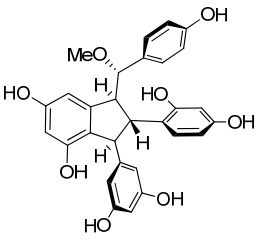
12



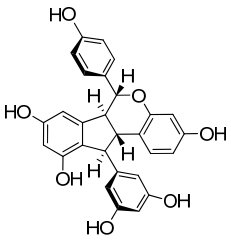
12a



13b



13a



13

No.	12	12a	13	13a	13b
2(6)	7.14 (d, 8.6)	7.14 (d, 8.4)	7.44 (d, 8.4)	7.40 (d, 8.4)	7.03 (d, 8.4)
3(5)	6.81 (d, 8.6)	6.81 (d, 8.4)	6.95 (d, 8.4)	6.95 (d, 8.4)	6.80 (d, 8.4)
7	4.67 (d, 8.7)	4.67 (d, 8.4)	5.38 (d, 10.2)	5.32 (d, 10.5)	**3.96** (d, 9.8)
8	3.53 (dd, 8.7, 7.5)	3.51 covered	3.31 (dd, 10.2, 9.9)	3.30 (t, 10.5)	3.11 (dd, 9.8, **1.2**)
12	6.12 (d, 2.1)	6.19 (d, 1.9)	6.05 (d, 2.1)	6.07 (br s)	6.24 (d, 1.8)
14	5.60 (d, 2.1)	5.59 (d, 1.9)	5.58 (d, 2.1)	5.47 (br s)	5.23 (d, 1.8)
3’	6.30 (br s)	6.29 (d, 2.1)	6.26 (d, 1.8)	6.28 (d, 2.1)	6.40 (d, 2.4)
5’	6.29, (br d, 7.7)	6.28 (dd, 8.4,2.1)	6.22 (dd, 8.7, 1.8)	6.29 (dd, 8.4, 2.1)	6.22 (dd, 8.4, 2.4)
6’	6.64 (d, 7.7)	6.64 (d, 8.4)	6.98 (d, 8.7)	6.94 (d, 8.4)	6.72 (d, 8.4)
7’	3.49 (covered)	3.50 (covered)	3.46 (dd, 10.2, 9.9)	3.46 (covered)	3.82 (**br s**)
8’	4.10 (d, 7.5)	4.10 (d, 7.2)	4.06 (d, 9.9)	4.02 (d, 10.5)	4.50 (**br s**)
10’	6.26 (br s)	6.28 (d, 2.1) [sic]	6.54 (d, 2.1)	6.51 (d, 2.1)	6.16 (d, 2.0)
12’	6.26 (br s)	6.28 (t, 2.1) [sic]	6.31 (t, 2.1)	6.29 (t, 2.1)	6.18 (d, 2.0)
14’	6.26 (br s)	6.28 (d, 2.1) [sic]	6.54 (d, 2.1)	6.51 (d, 2.1)	6.16 (d, 2.0)
MeO					3.00 (s)
$[\alpha]_D$	-19.6	Mixture with **13a**	+17.1	Mixture with **12a**	+34.0

Gnemontanin G (**12**)

Gnetuhainin S (**13**)[4]

Gnetuhainins D/E (**13a/12a**)[5]

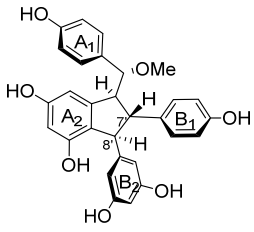
Macrostachyol C (=7-*O*-Methylgnetuhainin D, **13b**)[6];

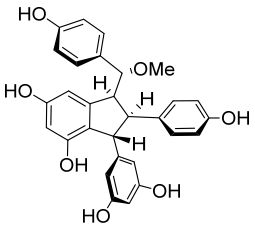
[4] K.-S. Huang, S. Zhou, M. Lin and Y.-H. Wang, *Planta Med.*, 2002, **68**, 916.

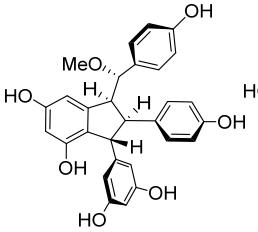
[5] K.-S. Huang, Y.-H. Wang, R.-L. Li and M. Lin, *J. Nat. Prod.*, 2000, **63**, 86.

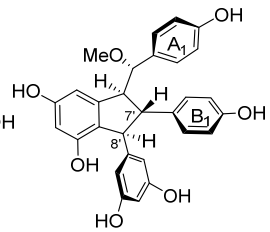
[6] S.-I. Piyawit, S. Jirapast, S. Pongpun and T.-P. Santi, *Fitoterapia*, 2011, **82**, 460.

Table S4. ^{1}H NMR data of tail-tail indane-type dimeric stilbenoids.


caragasinin A


viniferether A


viniferether B


caragasinin B

No.	**C-A**[a]	**V-A**[b]	**V-B**[b]	**C-B**[a]
2(6)	7.02 (d, 8.5)	7.08 (d, 8.4)	6.57 s	6.71 (d, 8.5)
3(5)	6.76 (d, 8.5)	6.82 (d, 8.4)	6.57 s	6.61 (d, 8.5)
7	3.95 (d, 8.0)	3.47 (d, 10.3)	3.95 (d, 9.3)	3.92 (d, 9.5)
8	3.31 (dd, **3.5**, 8.0)	3.95 dd (10.3, **7.4**)	3.85 dd (9.3, **7.4**)	3.20 (dd, **3.5**, 9.5)
12	6.23 (br d, 2.0)	6.20 (d, 2.0)	6.21 (d, 2.0)	6.25 (br d, 2.0)
14	5.53 (br d, 2.0)	5.36 (d, 2.0)	6.65 (d, 2.0)	6.66 (br d, 2.0)
2’	6.95 (d, 8.5)	6.95 (d, 8.4)	6.50 s	6.46 (d, 8.5)
3’	6.72 (d, 8.5)	6.69 (d, 8.4)	6.50 s	6.49 (d, 8.5)
5’	6.72 (d, 8.5)	6.69 (d, 8.4)	6.50 s	6.49 (d, 8.5)
6’	6.95 (d, 8.5)	6.95 (d, 8.4)	6.50 s	6.46 (d, 8.5)
7’	3.58 (t, 3.5)	3.68 (br d, 7.4)	2.94 dd (7.4, 2.2)	2.78 (t, 3.5)
8’	4.16 (br d, 3.5)	4.24 (br s)	4.13 (d, 2.2)	4.08 (br d, 3.5)
10’(14)’	6.10 (br d, 2.0)	6.02 (d, 2.0)	6.03 (d, 2.0)	5.99 (br d, 2.0)
12’	6.22 (br d, 2.0)	6.08 t (2.0)	6.07 t (2.0)	6.12 (br d, 2.0)
7-OMe	2.94 (s)	2.58 s	3.02 s	3.07 (s)
$[\alpha]_D$	+34 (c 0.19,)	+58.4 (0.14)	+53.8 (0.21)	-54 (c 0.2)

[a] in acetone-d_6, [b]meyhanol-d_4

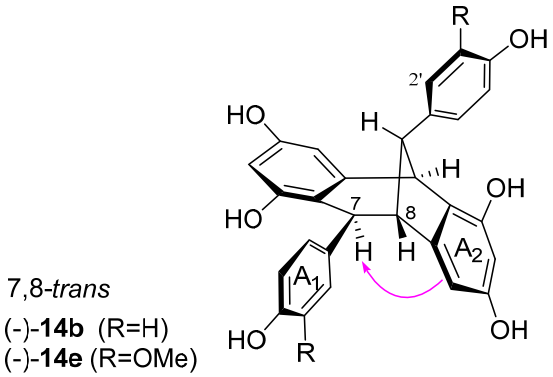
caragasinins A (**C-A**) and B (**C-B**)[7]

viniferethers A (**V-A**) and B (**V-B**)[8]

[7] Q. Jin, X. H. Han, S. S. Hong, C. Lee, S. Choe, D. Lee, Y. Kim, J. T. Hong, M. K. Lee and B. Y. Hwang, *Bioorg Med Chem Lett*, 2012, **22**, 973.

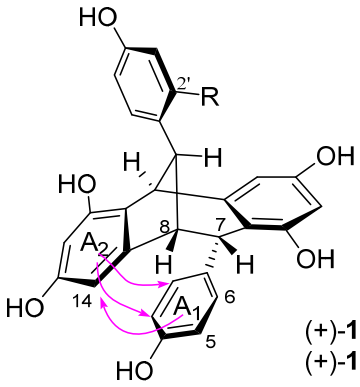
[8] F. Fujii, Y. H. He, K. Terashima, Y. Takaya and M. Niwa, *Heterocycles*, 2005, **65**, 2461.

Table S5 ^{1}H NMR data of 14 and its analogues (in acetone-d_6)



7,8-*trans*

(-)-**14b** (R=H)
(-)-**14e** (R=OMe)



7,8-*cis*

(+)-**14c** (R=H)
(+)-**14d** (R=OH)

No.	**14**	**14b**	**14e**	**14a**	**14c**	**14d**
2	7.09 (d, 8.5)	7.08 (d, 8.1)	6.96 (d, 2.0)	7.10 (br d, 9)	5.83 (dd, 2.2 8.4)	5.78 (dd, 8.7, 2.4)
3	6.70 (d, 8.5)	6.75 (d, 8.1)	–––	**6.17** (d, 9)*	6.37 (dd, 2.6, 8.4)	6.31 (dd, 8.7, 2.4)
5	6.70 (d, 8.5)	6.75 (d, 8.1)	6.73 (d, 8.4)	**6.17** (d, 9)*	6.80 (dd, 2.6, 8.2)	6.73 (dd, 8.7, 2.4)
6	7.09 (d, 8.5)	7.08 (d, 8.1)	6.67 (dd, 2.0, 8.4)	7.10 (br d, 9)	7.32 (dd, 2.2, 8.2)	7.23 (dd, 8.7, 2.4)
7	4.18 (d, 1.7)	4.19 (d, 1.5)	4.21 (br. s)	4.28 (br s)	4.51 (d, **5.5**)	4.44 (d, **5.4**)
8	3.40 (br s)	3.36 (br s)	3.45 (br. s)	3.40 (br s)	3.39 (d, **5.5**)	3.32 (d, **5.4**)
12	6.04 (d, 1.9)	6.06 (d, 2.2)	6.07 (d, 2.0)	6.04 (d,2)	6.04 (d, 1.9)	5.96 (d, 2.4)
14	6.59 (d, 1.9)	6.51 (d, 2.2)	6.55 (d, 2.0)	**5.68** (br d, 2)*	5.20 (d, 1.9)	5.13 (d, 2.4)
2'	–––	6.78 (d, 8.8)	6.61 (d, 2.0)	–––	6.97 (d, 8.5)	–––
3'	6.28 (d, 2.4)	6.56 (d, 8.8)	–––	6.28 (d, 2)	6.64 (d, 8.5)	6.30 (d, 2.4)
5'	6.03 dd (2.4, 8.4)	6.56 (d, 8.8)	6.56 (d, 8.4)	6.03 (dd, 8,2)	6.64 (d, 8.5)	5.98 (dd, 8.4,2.4)
6'	6.57 (d, 8.4)	6.78 (d, 8.8)	6.40 (dd, 2.0, 8.4)	6.58 (br d, 8)	6.97 (d, 8.5)	6.50 (d, 8.4)
7'	3.91 (br s)	3.64 (br s)	3.70 (br. s)	3.92 (br s)	3.58 (br s)	3.76 (s)
8'	4.14 (br s)	4.12 (br s)	4.14 (br. s)	4.14 (br s)	4.03 (br s)	3.98 (s)
12'	6.14 (d, 2.4)	6.15 (d, 2.2)	6.16 (d, 2.4)	6.14 d (2)	6.14 (d, 2.5)	6.06 (d, 2.4)
14'	6.44 (d, 2.4)	6.44 (d, 2.2)	6.44 (d, 2.4)	**6.24** (br d, 2)*	6.44 (d, 2.5)	6.37 (d, 2.4)
MeO			3.65 (s)/3.80 (s)			
$[\alpha]_D$	+22.4 (0.05)	+19.0	-28° (c 0.12)	+12 (0.1)	+30.6	+16.7° (0.028)

*[sic] suspicious data.

14 (=2'-hydroxyampelopsin F); **14a**: 2b-hydroxyampelopsin F;[9] **14b**: ampelopsin F;[10]

14c: isoampelopsin F;[8] **14d**: Gnetuhainin C (=2'-hydroxyisoampelopsin F)[5];

14e: gnemonol M[11] (=3,3'-di-methoxylampelopsin F = bisisorhapontigenin E ($[\alpha]_D$ 0)[12]

[9] T. Tanaka, I. Iliya, T. Ito, M. Furusawa, K.-I. Nakaya, M. Iinuma, Y. Shirataki, N. Matsuura, M. Ubukata, J. Murata, F. Simozono and K. Hirai, *Chem. Pharm. Bull.*, 2001, **49**, 858.

[10] H.-F. Luo, L.-P. Zhang and C.-Q. Hu, *Tetrahedron*, 2001, **57**, 4849.

[11] I. Iliya, Z. Ali, T. Tanaka, M. Iinuma, M. Furusawa, K.-i. Nakaya, J. Murata, D. Darnaedi, N. Matsuura and M. Ubukata, *Phytochemistry*, 2003, **62**, 601.

[12] C.-S. Yao and M. Lin, *Heterocycles*, 2006, **68**, 983.

Gnemontanin A (1)

Figure S1. IR spectrum of **1**.

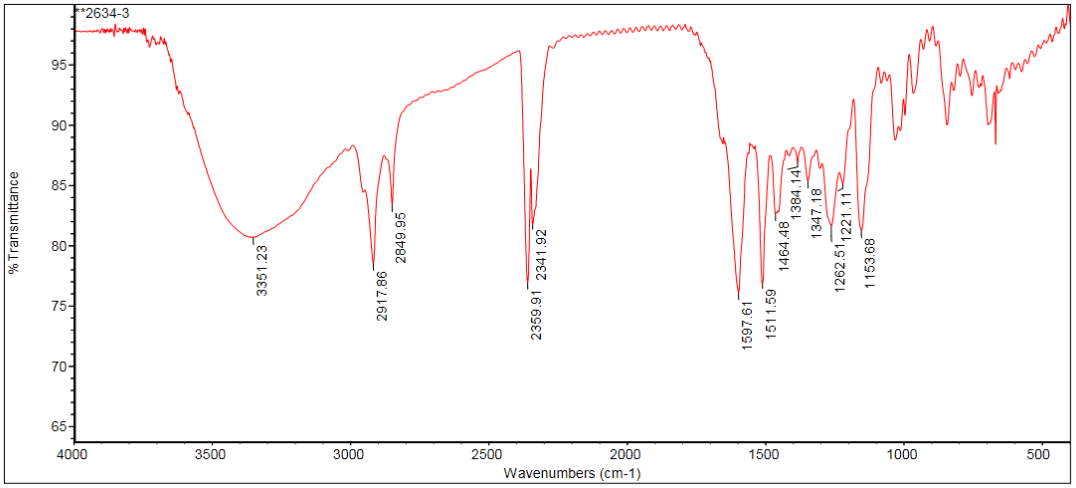


Figure S2. ^{1}H NMR spectrum of **1** in CD_3OD.

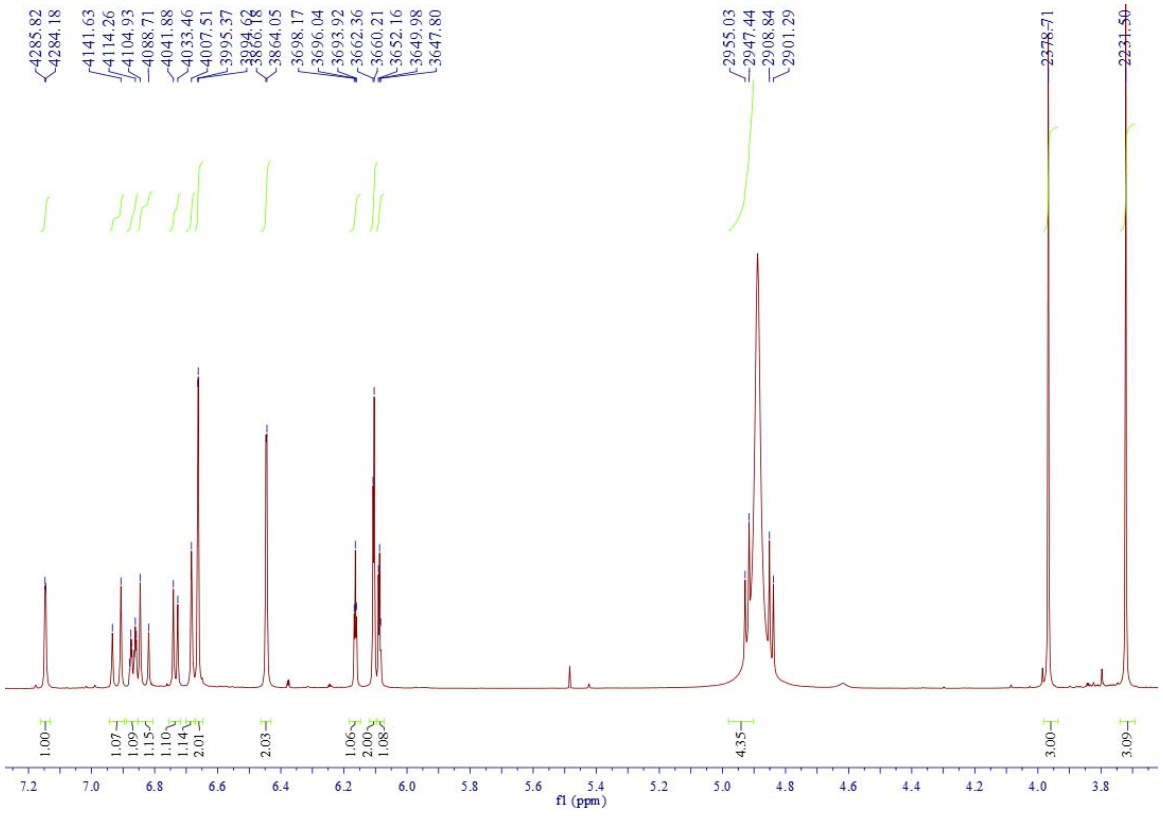


Figure S3. ^{13}C NMR spectrum of **1** in CD_3OD.

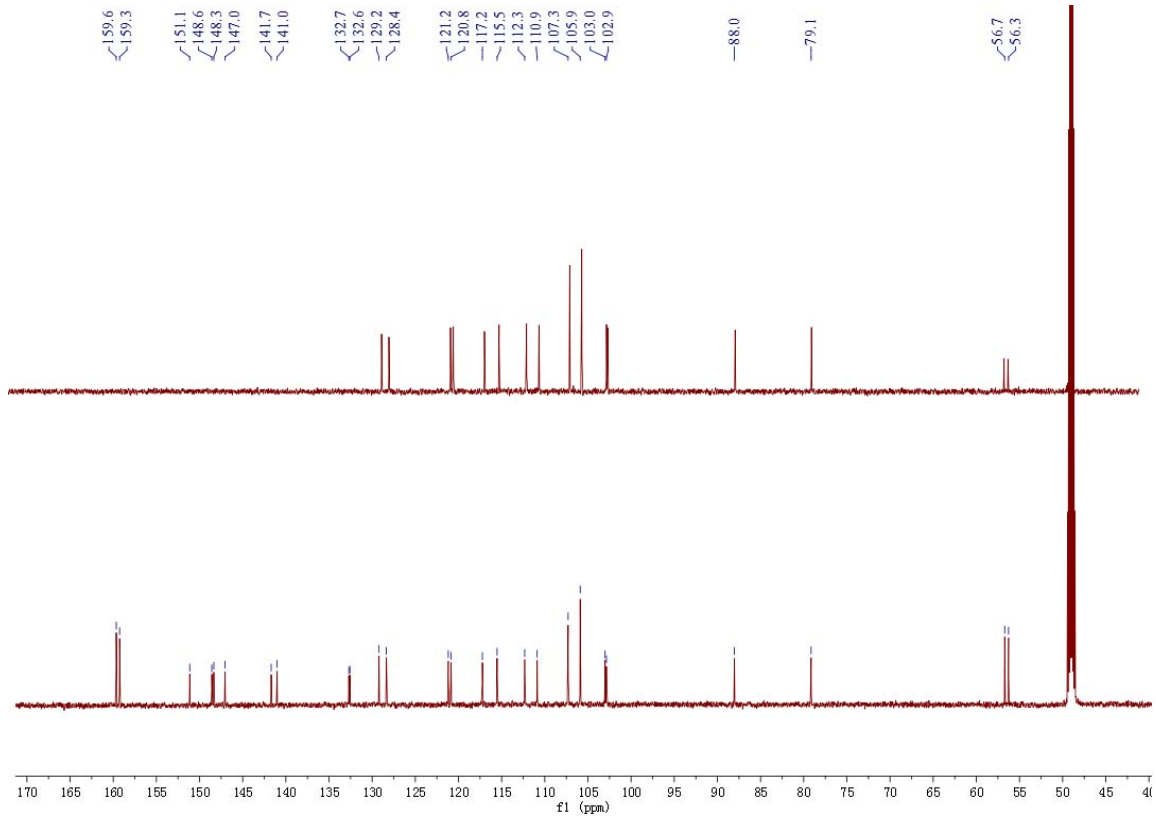


Figure S4. ^{1}H-^{1}H COSY spectrum of **1** in CD_3OD.

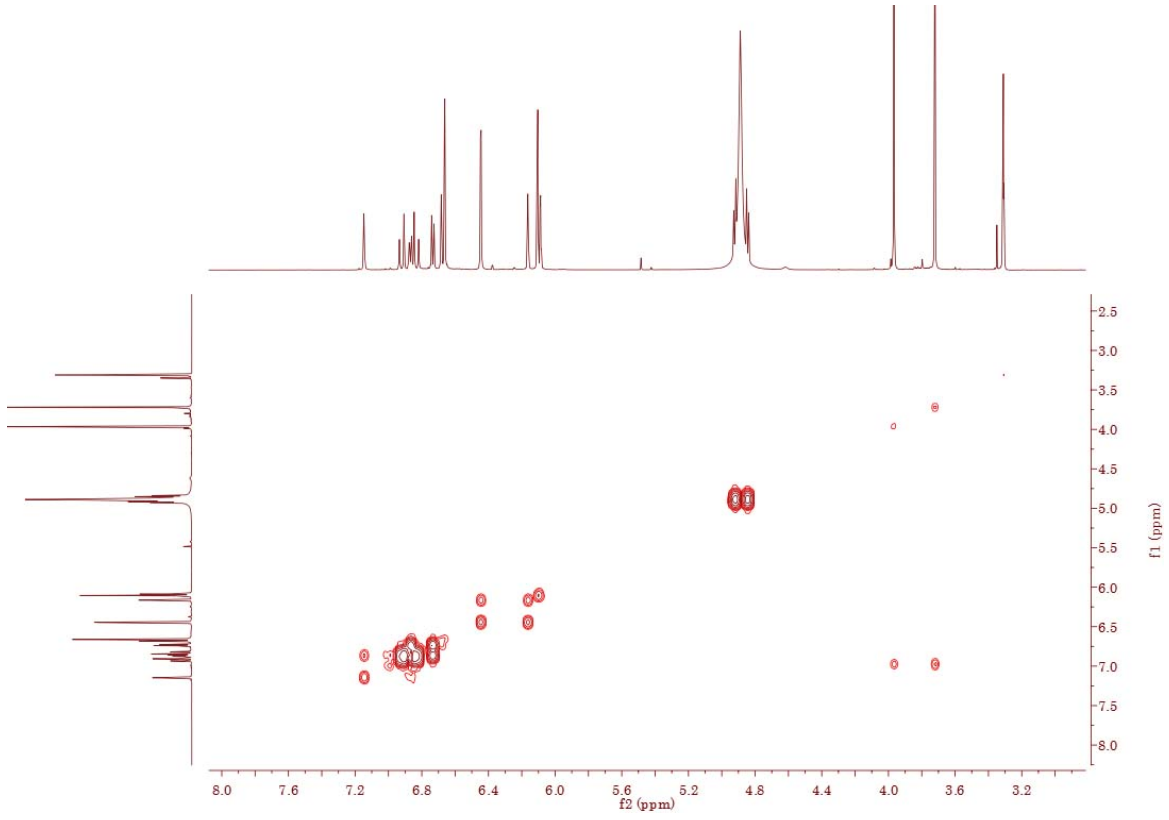


Figure S5. HSQC spectrum of **1** in CD_3OD.

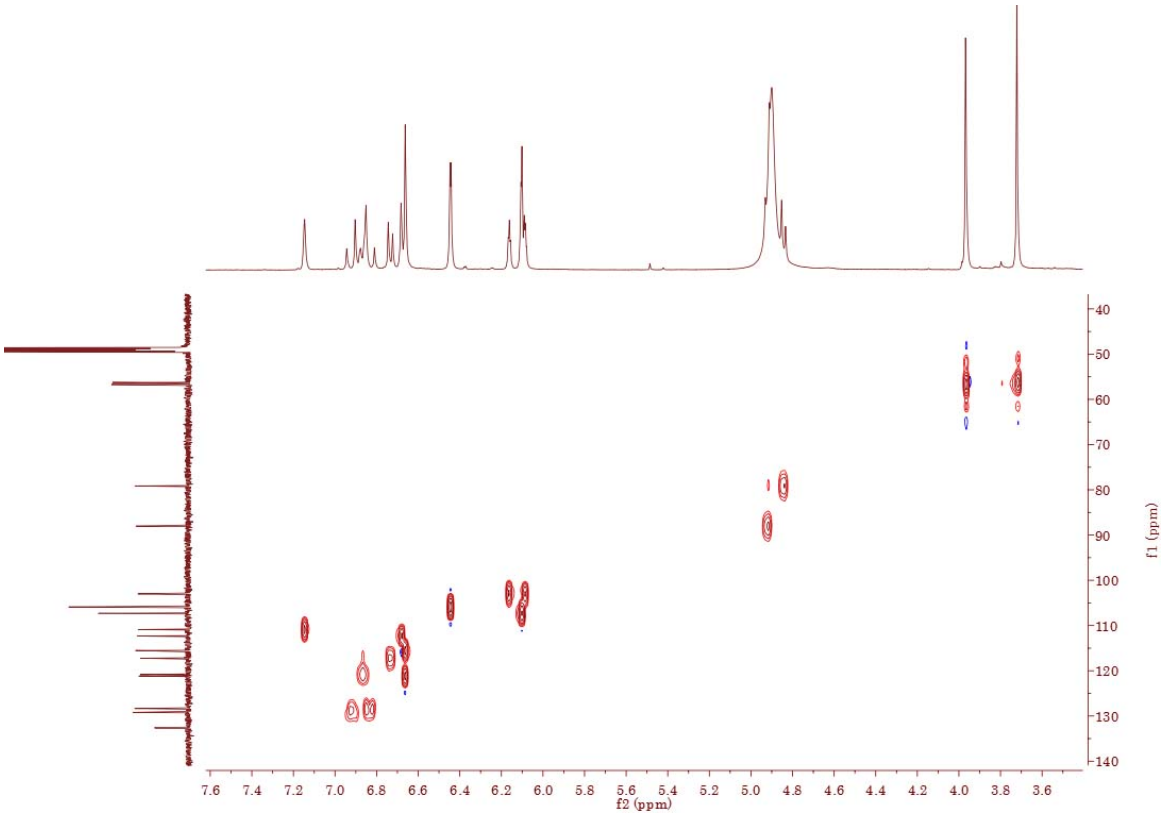


Figure S6. HMBC spectrum of **1** in CD_3OD.

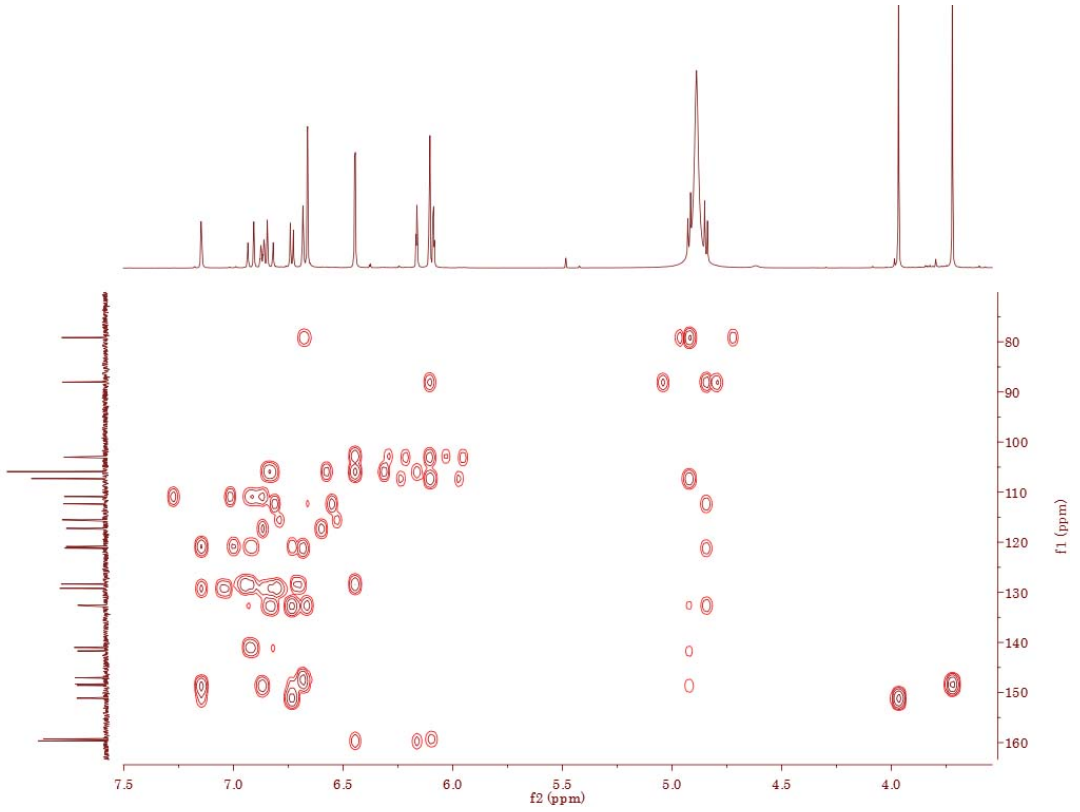


Figure S7. HRESIMS spectrum of 1.

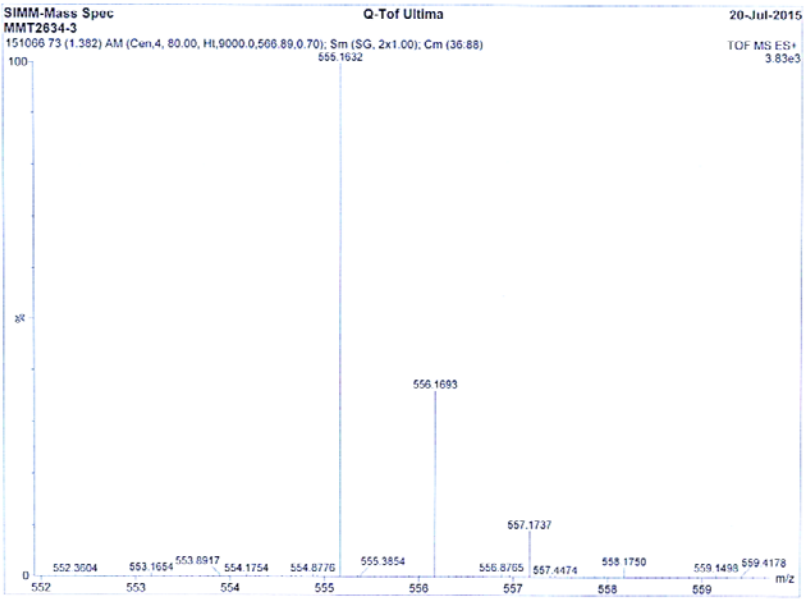
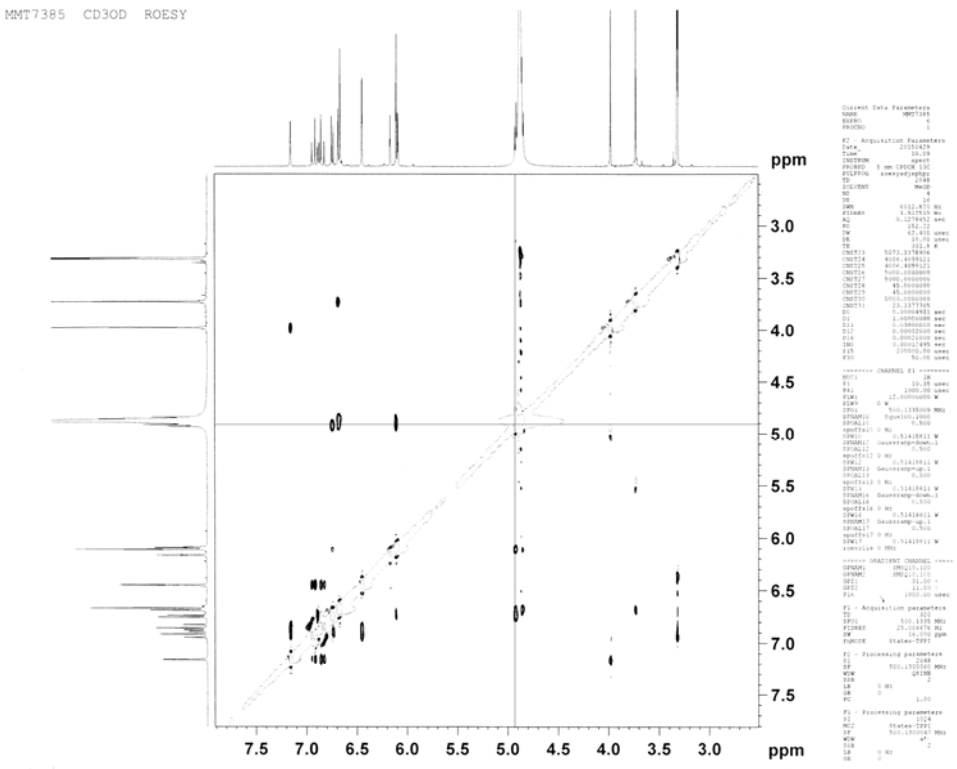


Figure S8. NOESY spectrum of **1**.



Gnemontanin B (2)

Figure S9. IR spectrum of **2**.

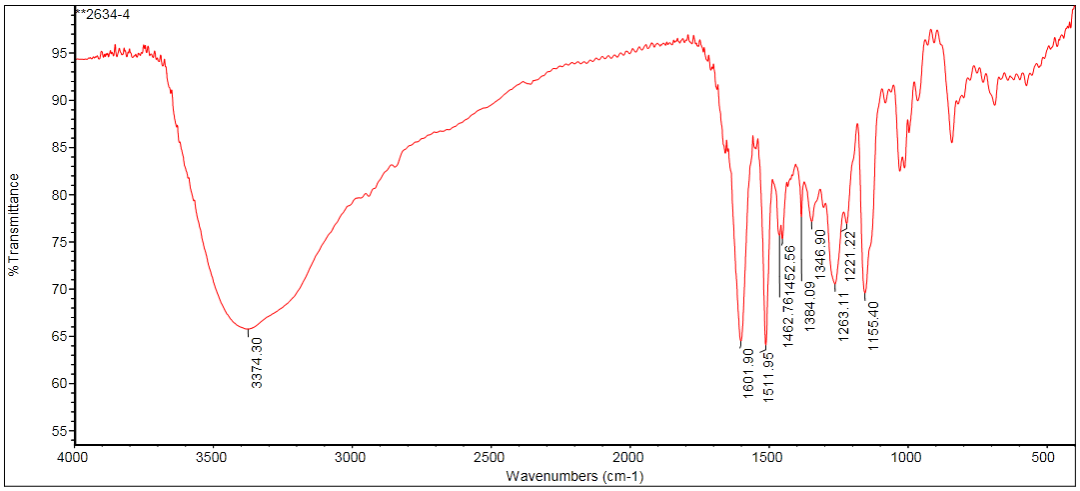


Figure S10. ^{1}H NMR spectrum of **2** in CD_3OD.

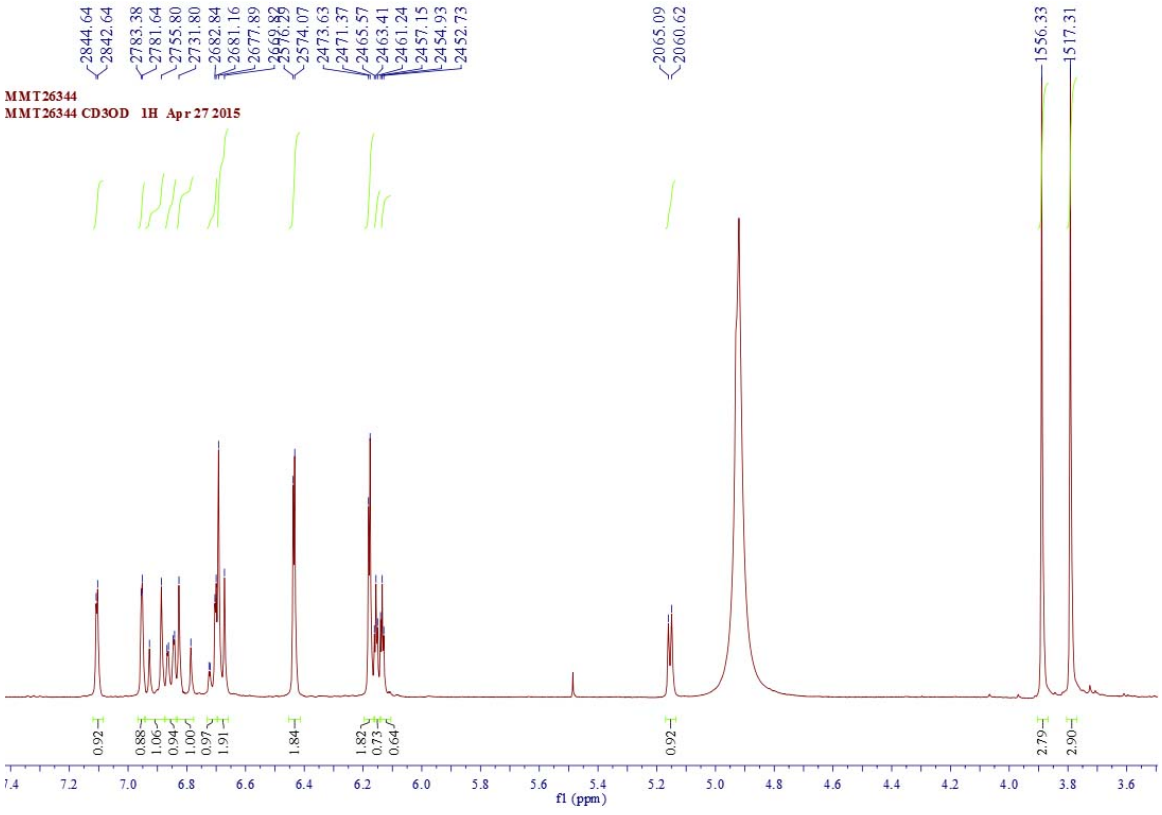


Figure S11. ^{13}C NMR spectrum of **2** in CD_3OD.

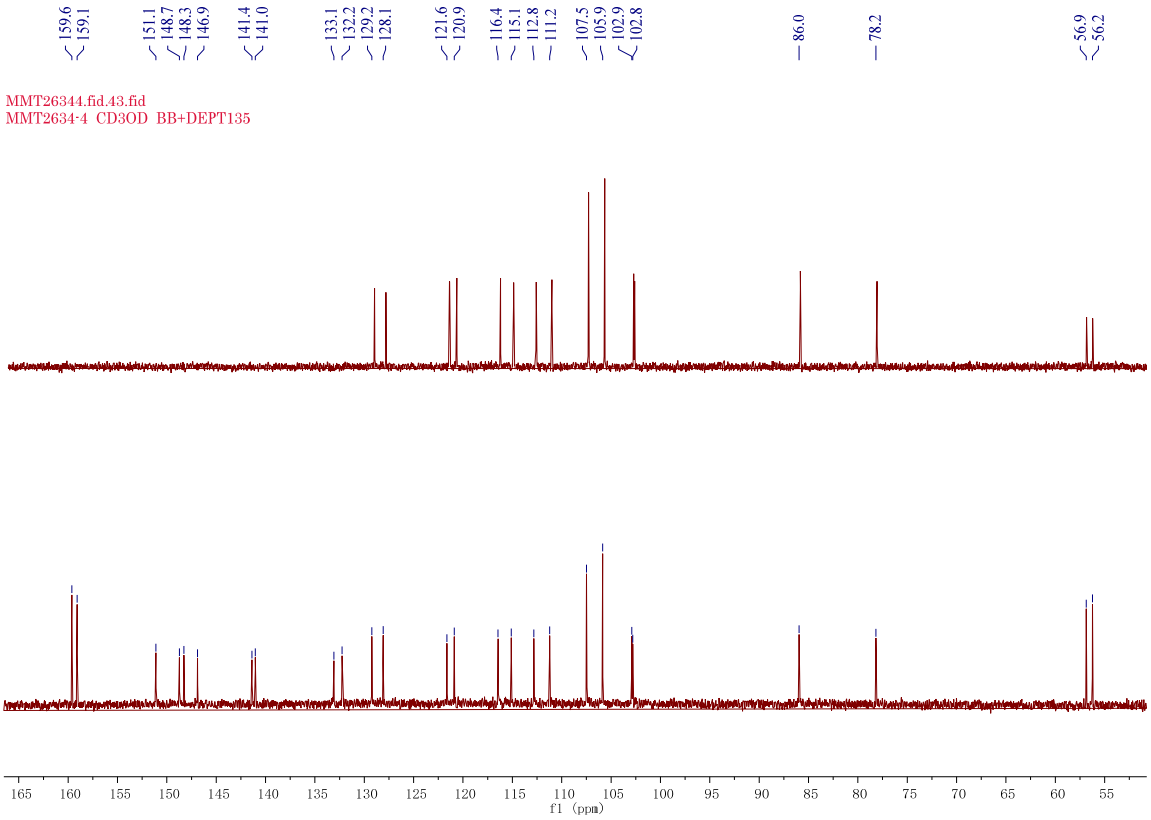


Figure S12. ^{1}H-^{1}H COSY spectrum of **2** in CD_3OD.

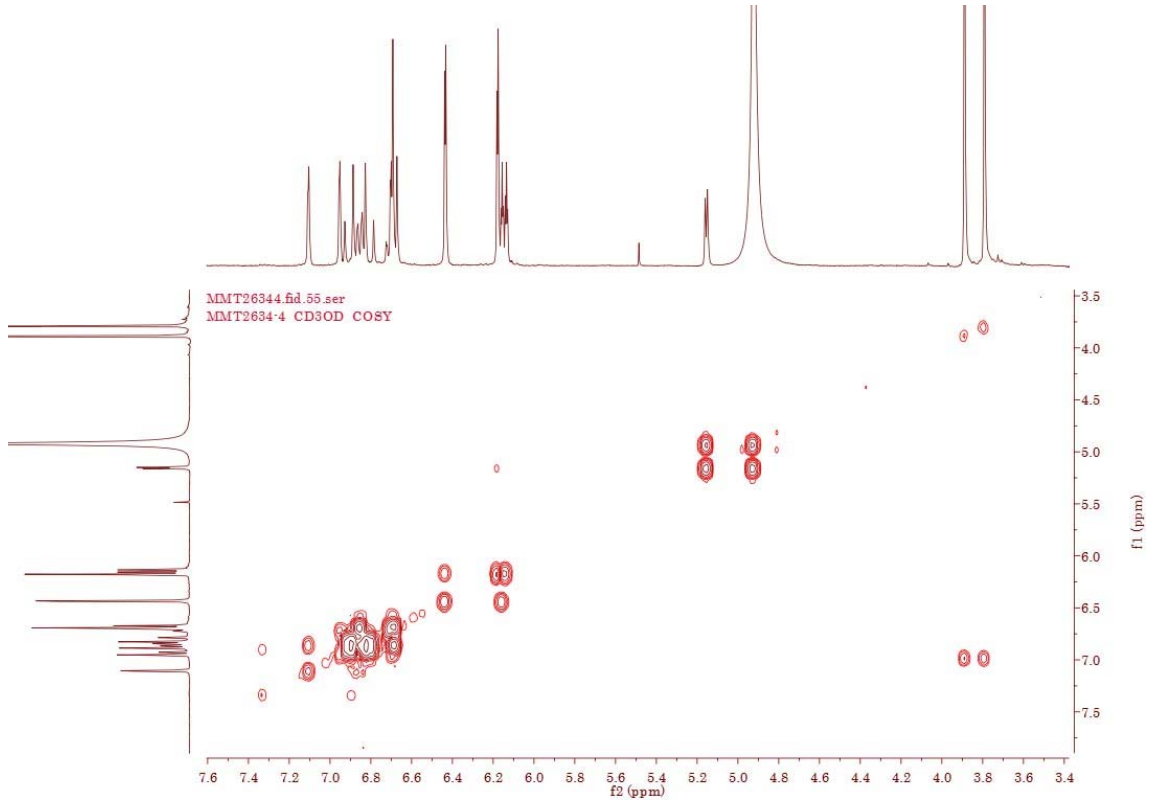


Figure S13. HSQC spectrum of **2** in CD_3OD.

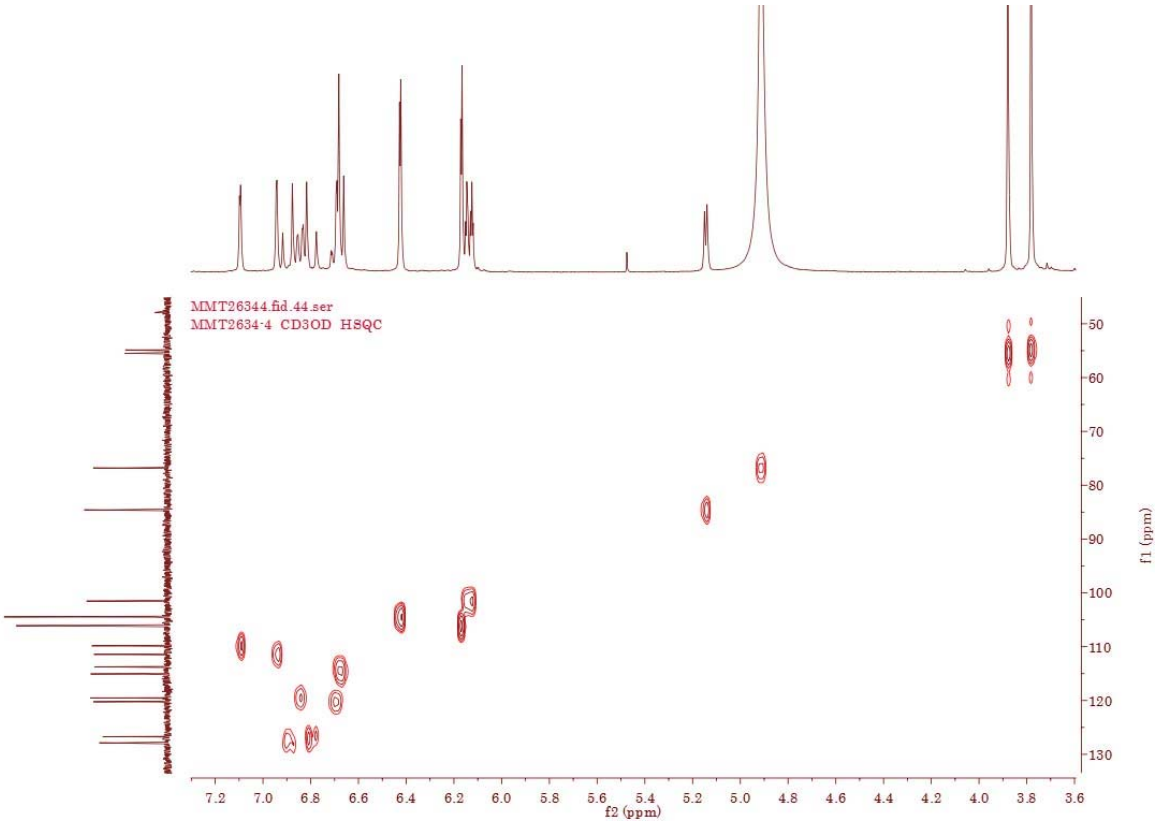


Figure S14. HMBC spectrum of **2** in CD_3OD.

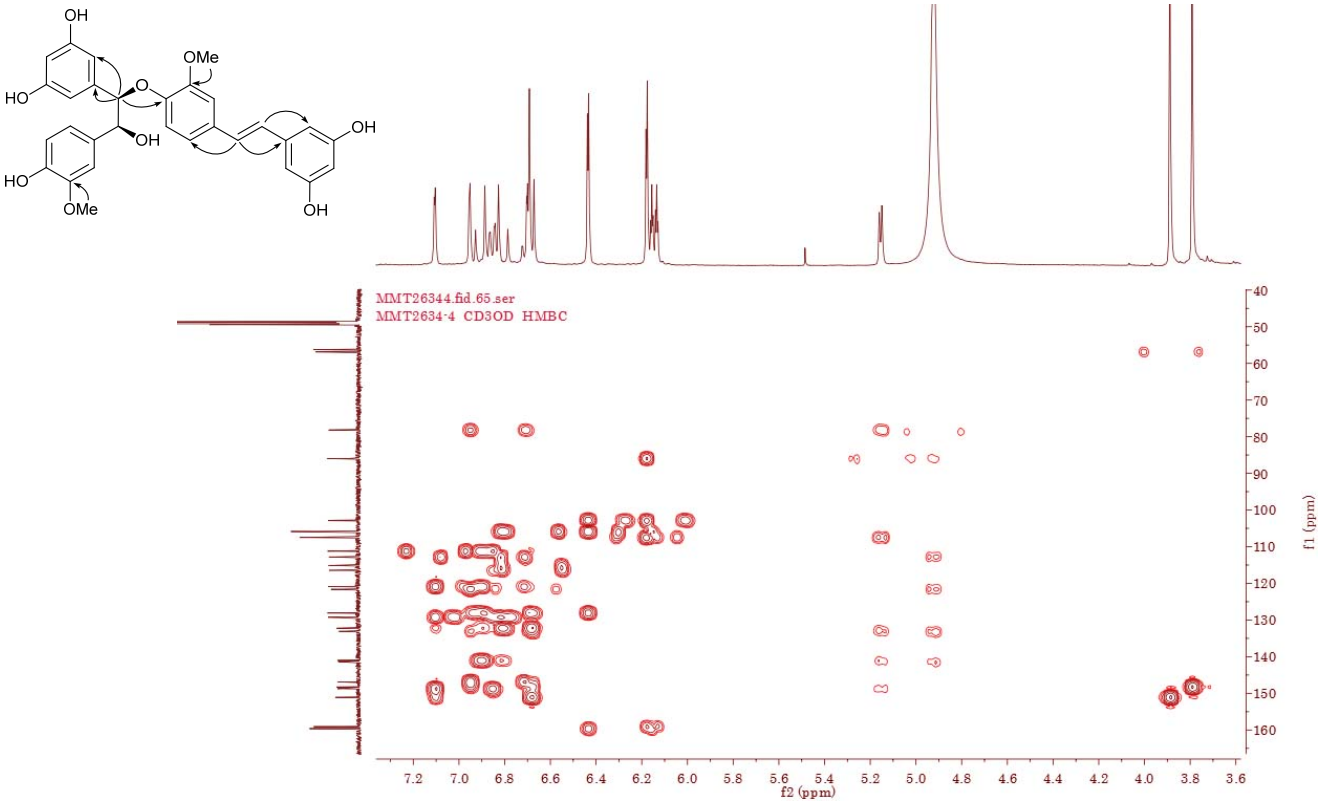


Figure S15. NOESY spectrum of **2**.

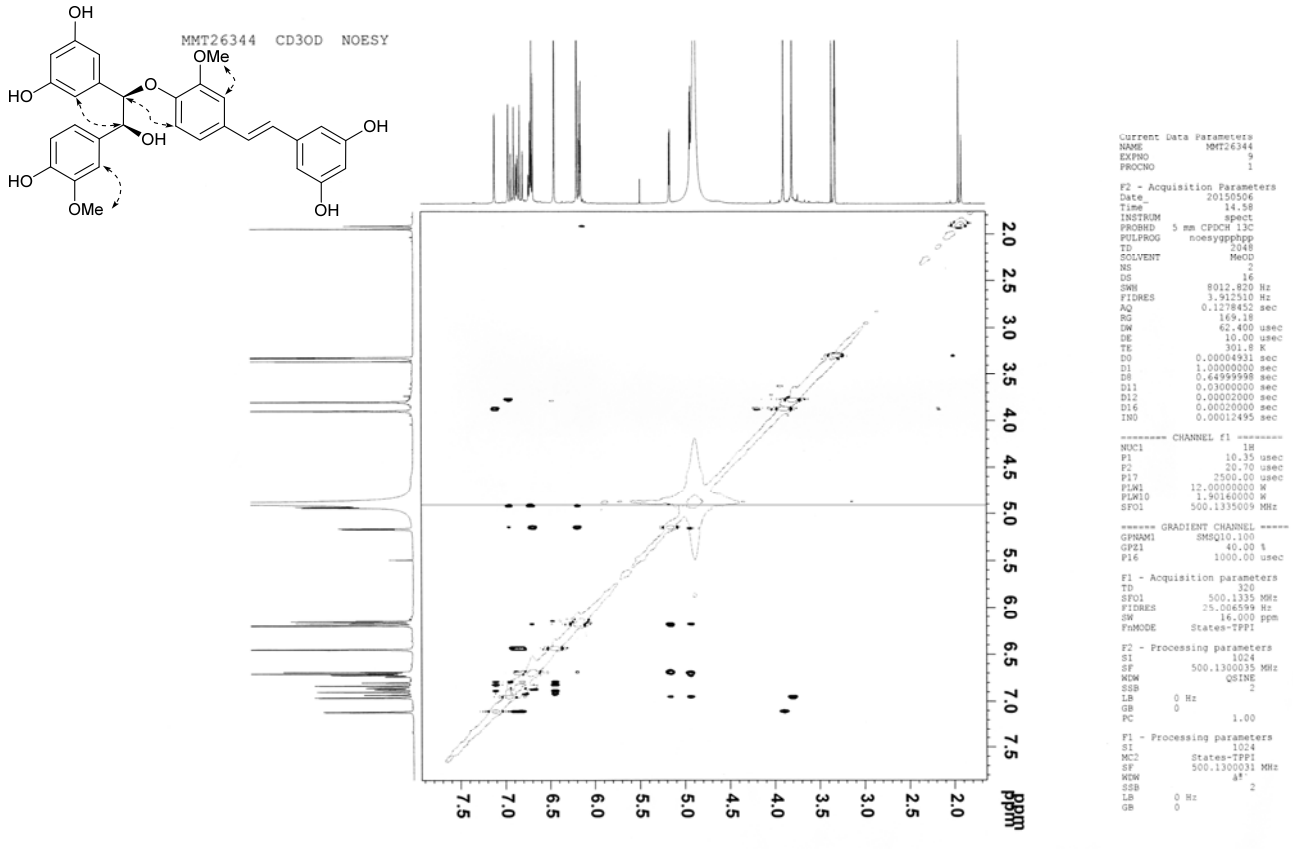
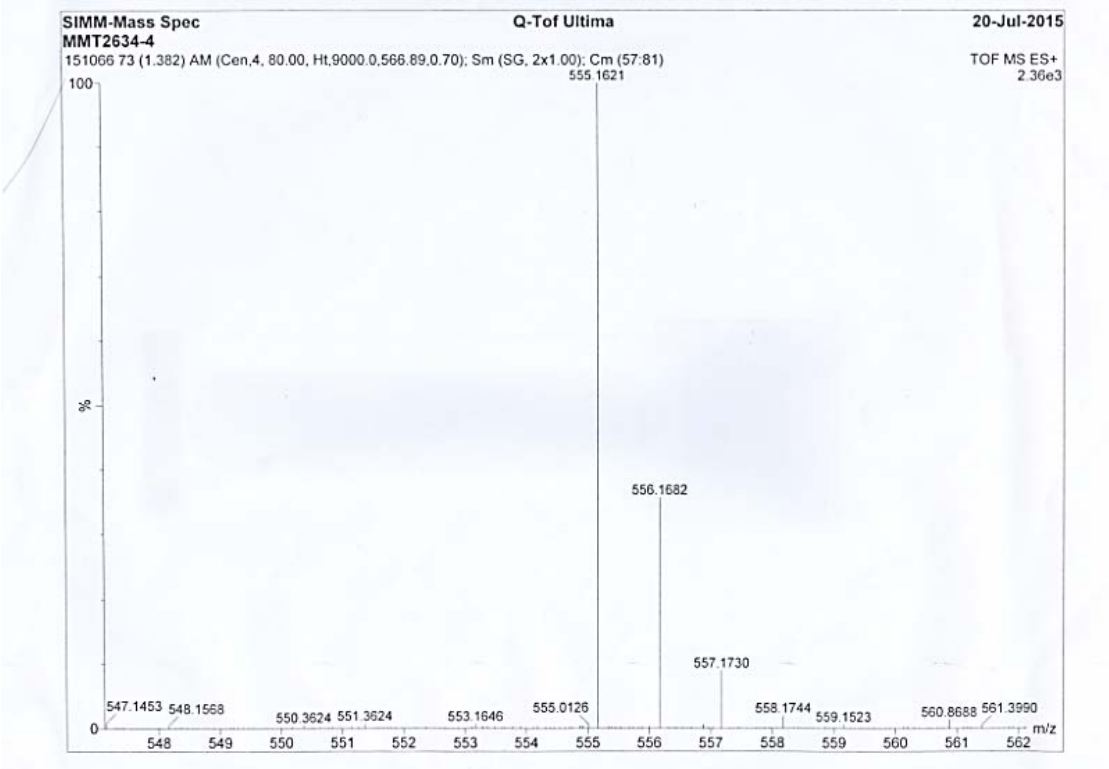


Figure S16. HRESIMS spectrum of **2**.



(-)-Gnetuhainin P (3)

Figure S17. IR spectrum of **3**

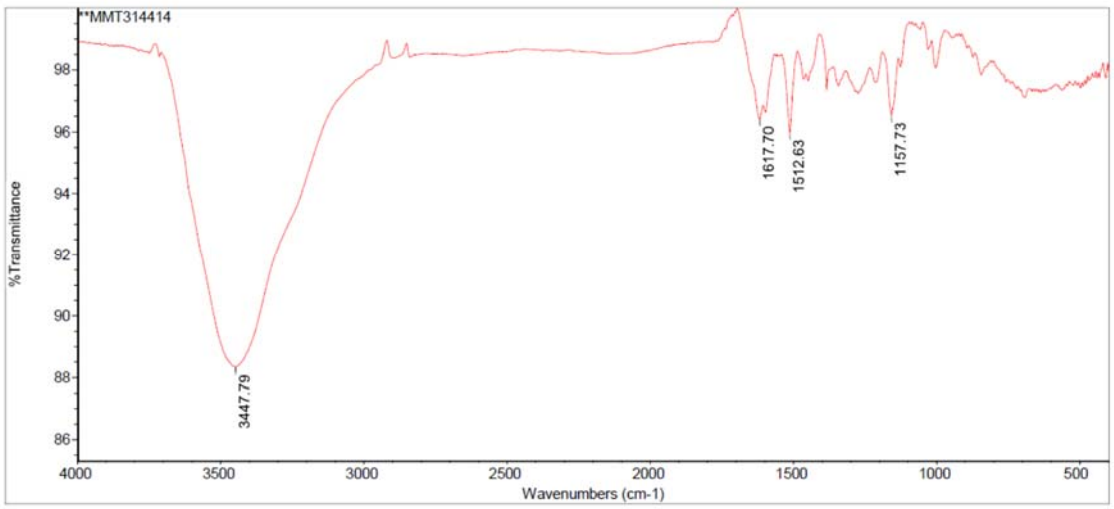


Figure S18. ^{1}H NMR spectrum of **3** in CD_3OD.

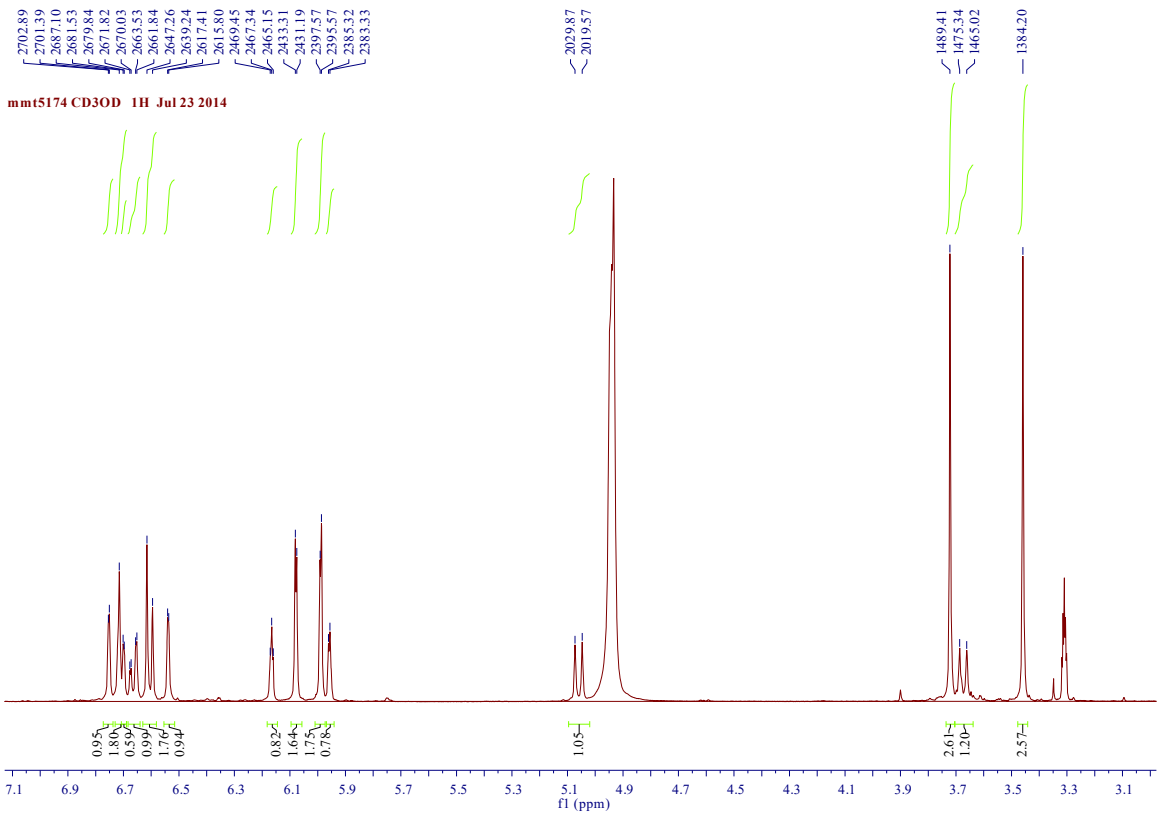


Figure S19. ^{13}C NMR spectrum of **3** in CD_3OD.

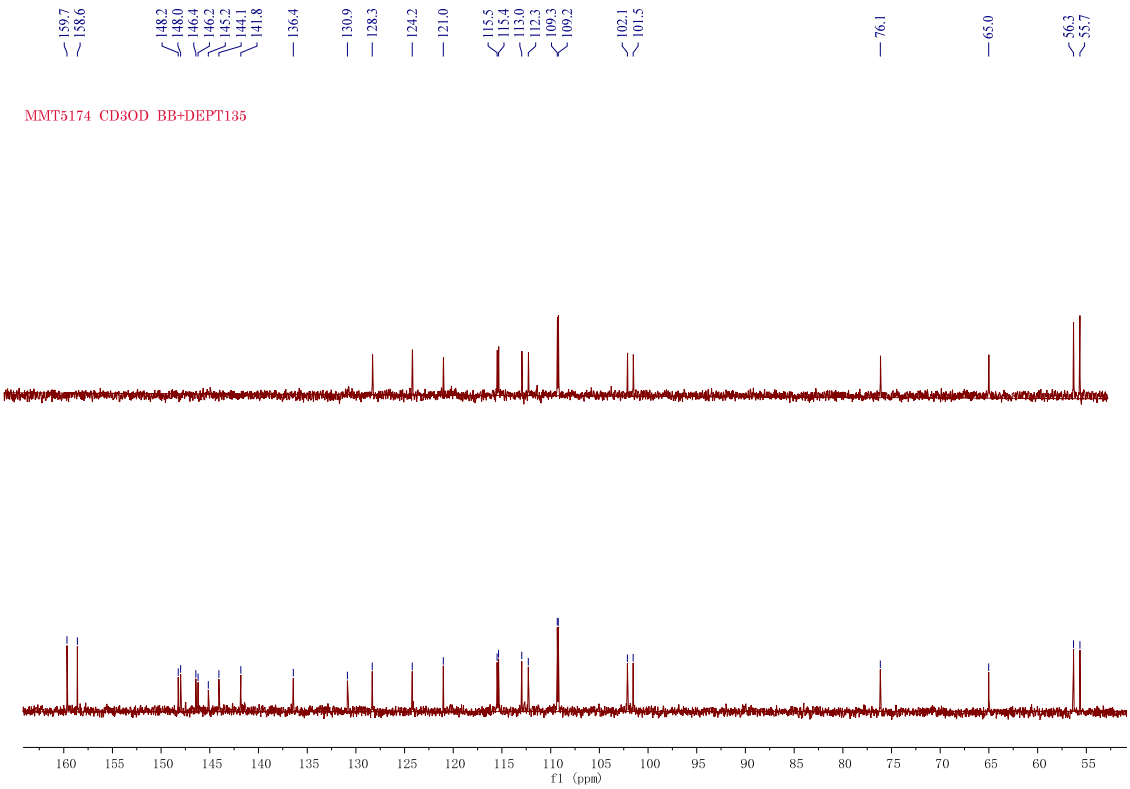


Figure S20. HSQC spectrum of **3** in acetone-d_6.

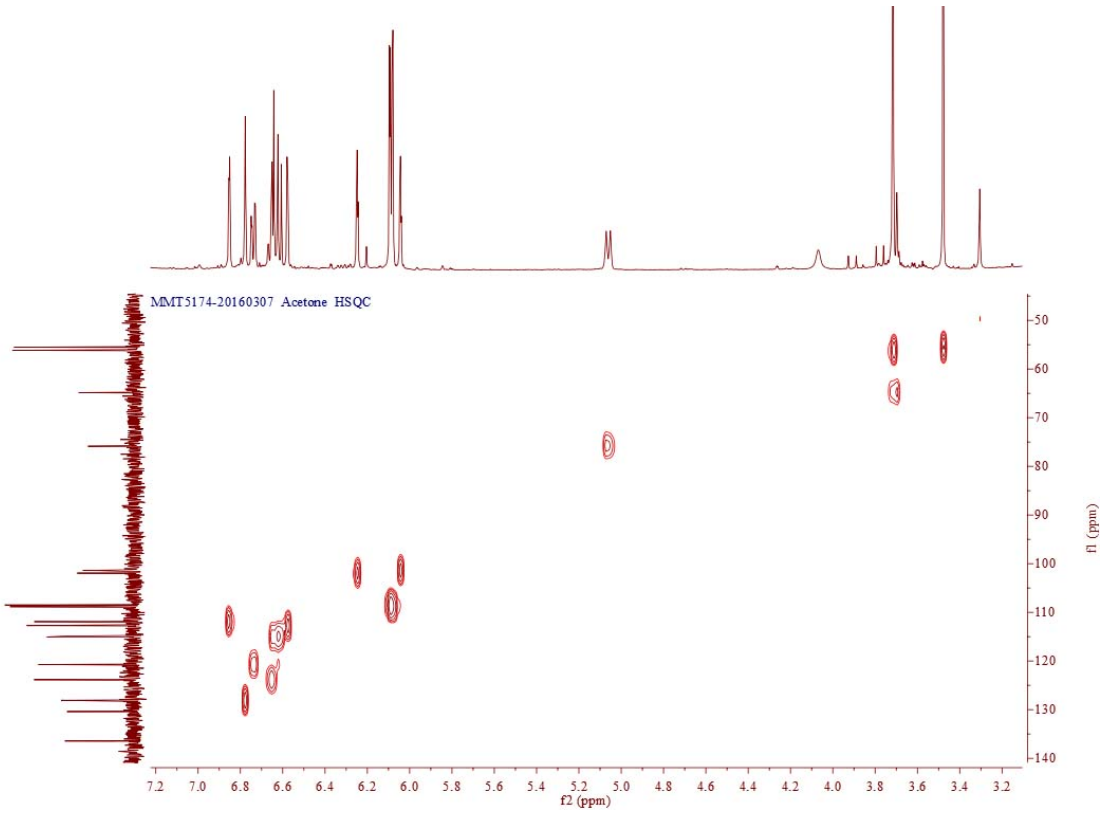


Figure S21. 1H-1H COSY spectrum of **3** in acetone-d_6.

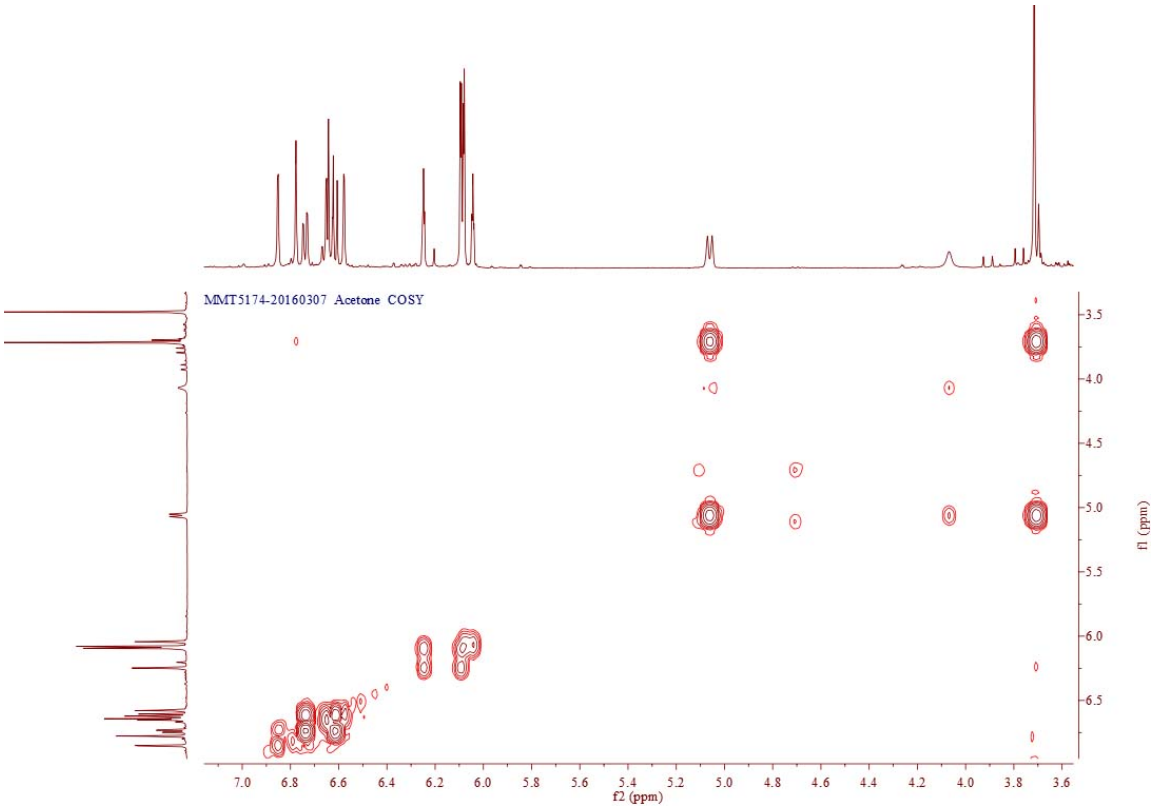


Figure S22. HMBC spectrum of **3** in acetone-d_6.

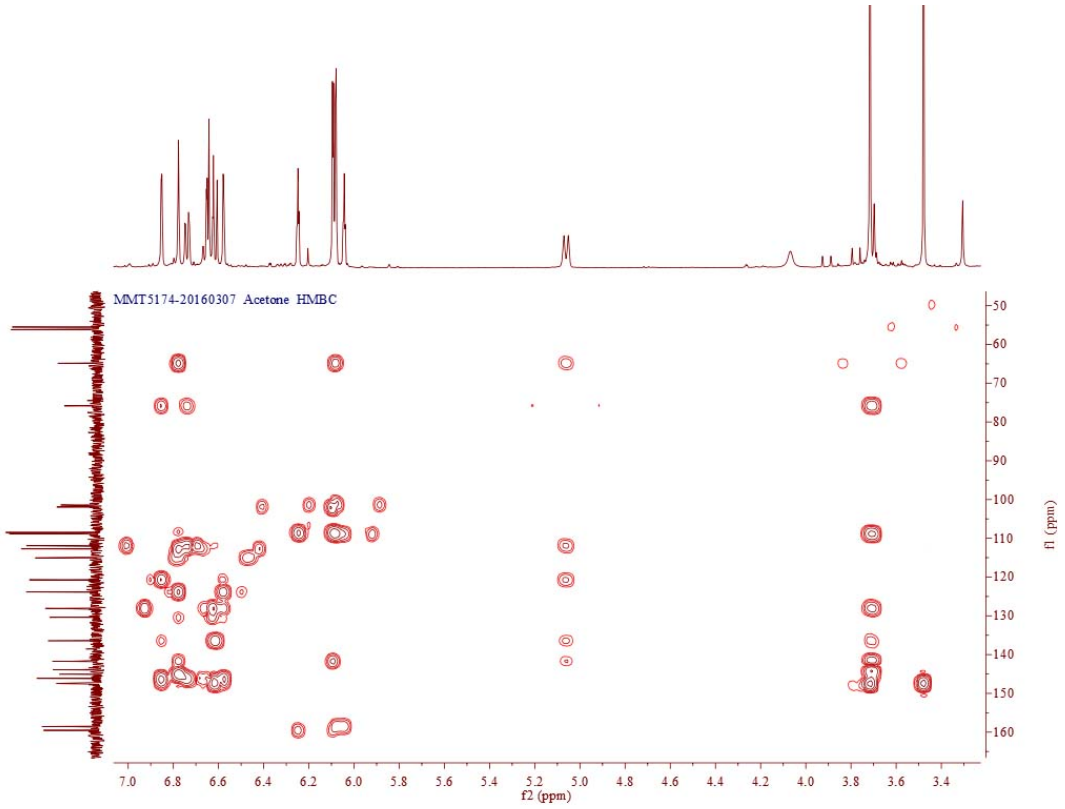


Figure S23. NOESY spectrum of **3** in acetone-d_6.

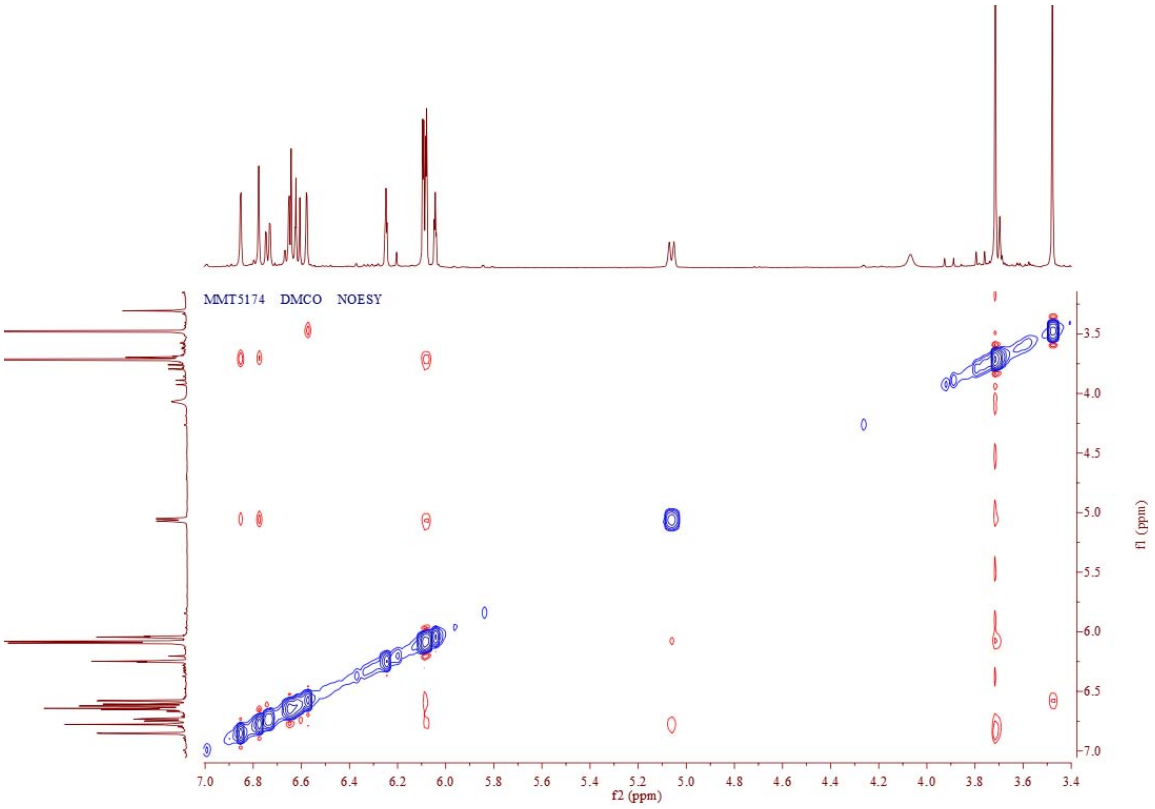
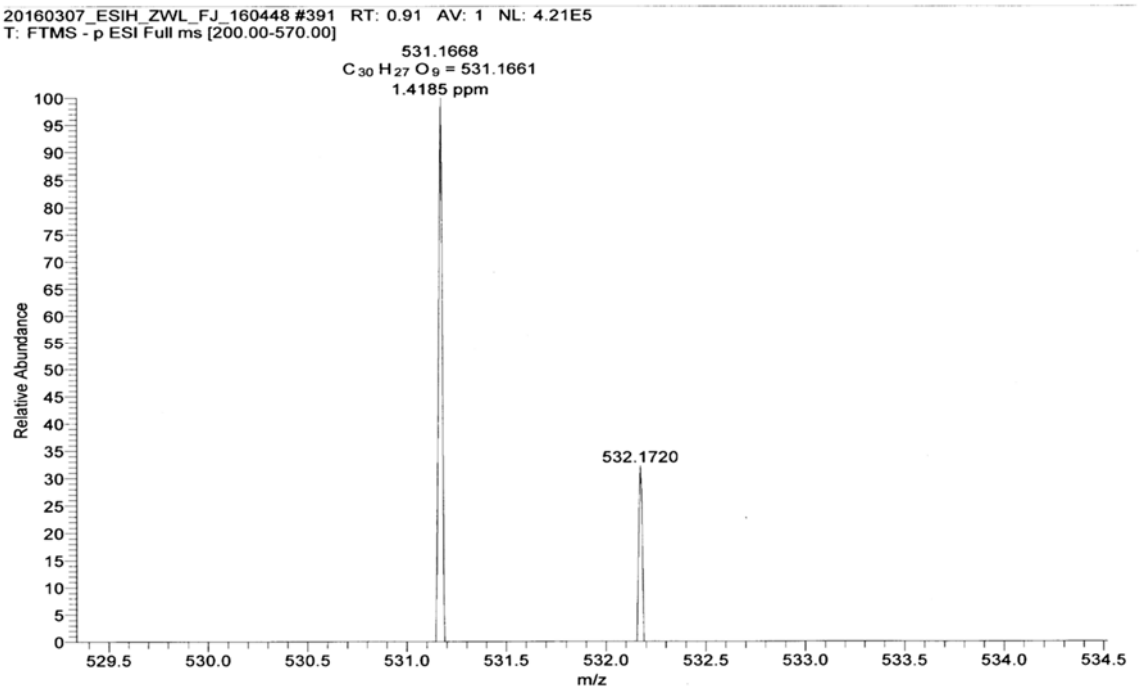


Figure S24. HRESIMS spectrum of **3**



Gnemontanin C (4)

Figure S25. IR spectrum of **4**.

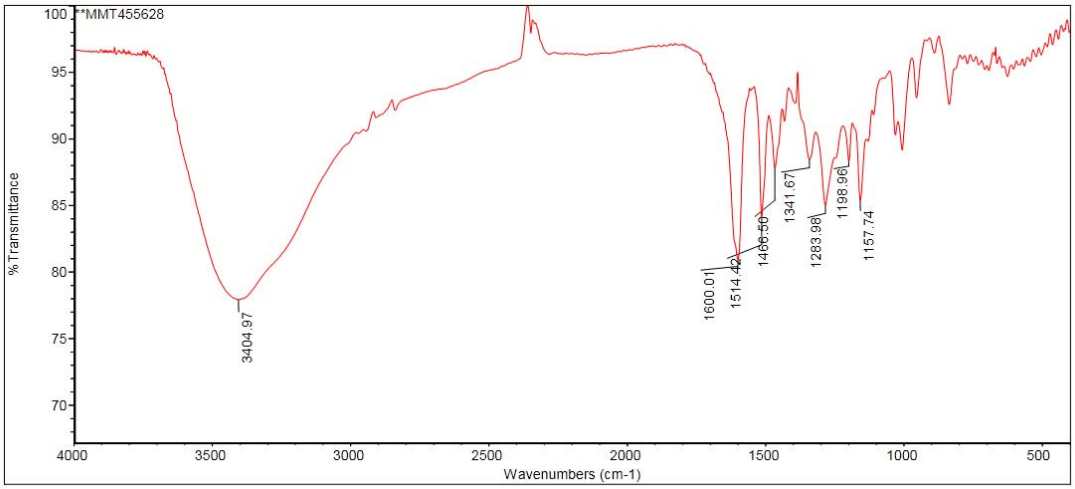


Figure S26. ^{1}H NMR spectrum of **4** in acetone-d_6.

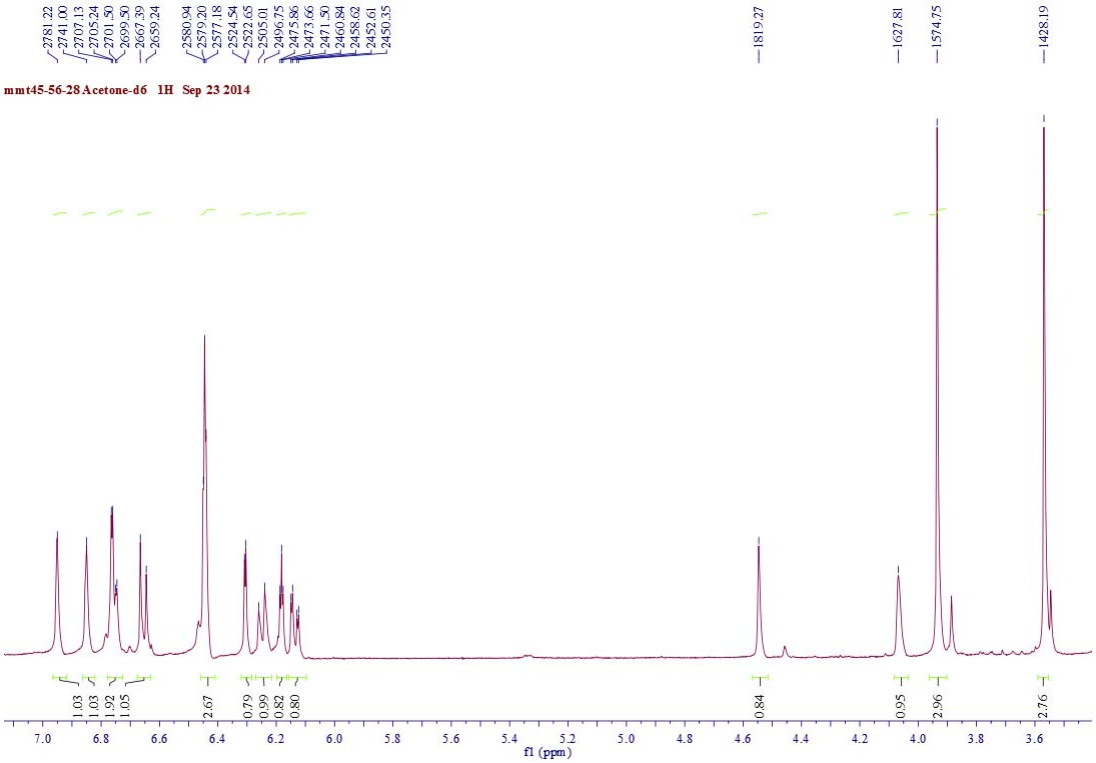


Figure S27. ^{13}C NMR spectrum of **4** in acetone-d_6.

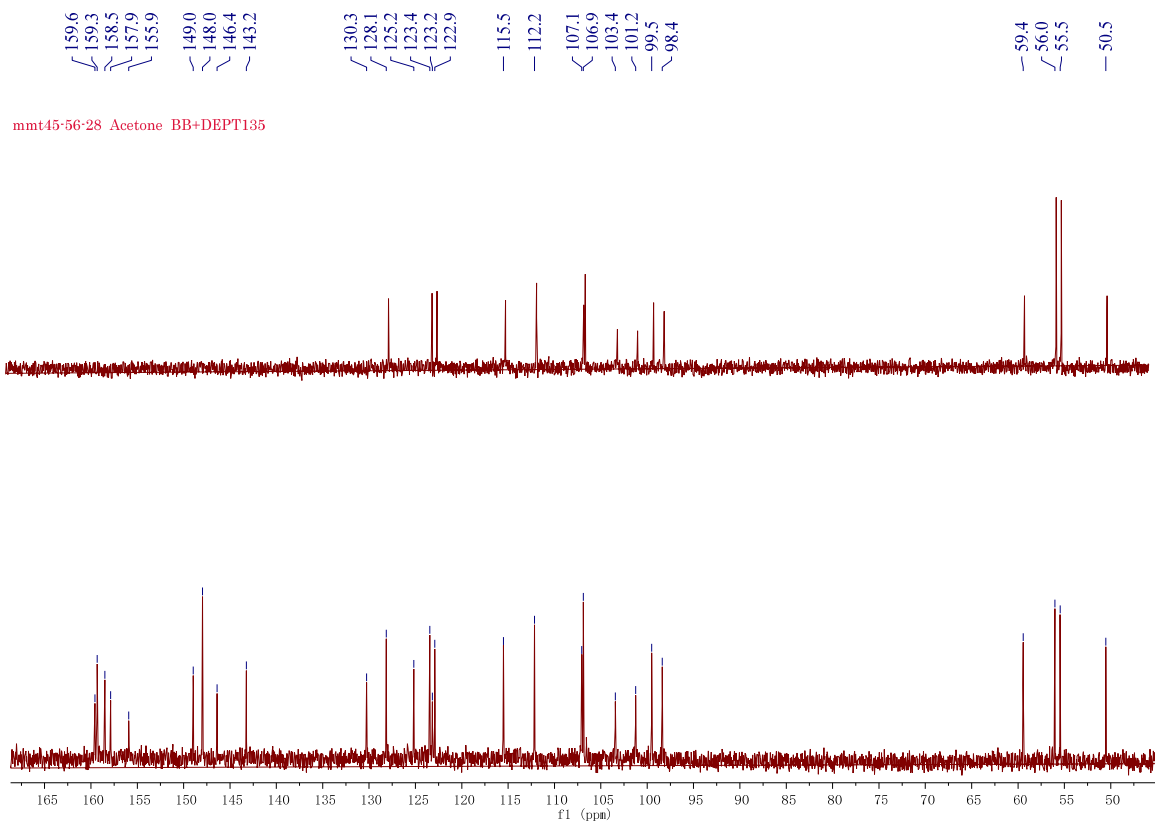


Figure S28. HSQC spectrum of **4** in acetone-d_6.

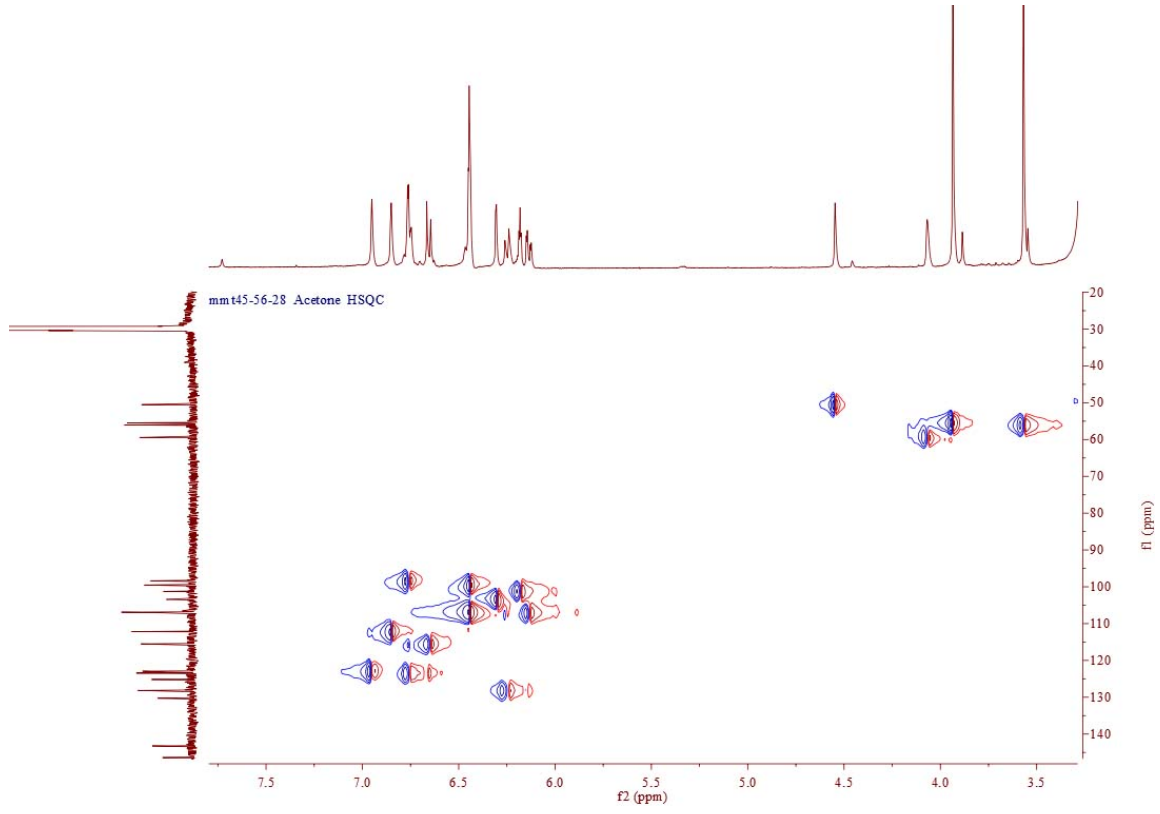


Figure S29. HMBC spectrum of **4** in acetone-d_6.

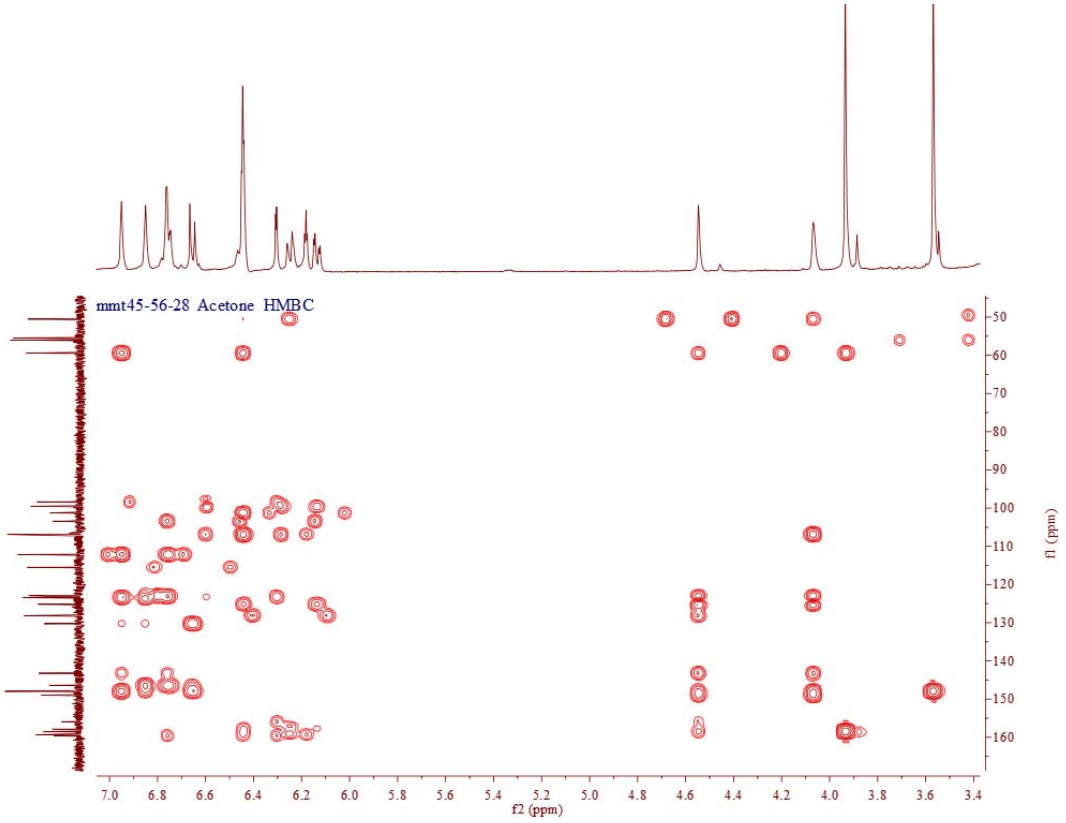


Figure S30. NOESY spectrum of **4** in acetone-d_6.

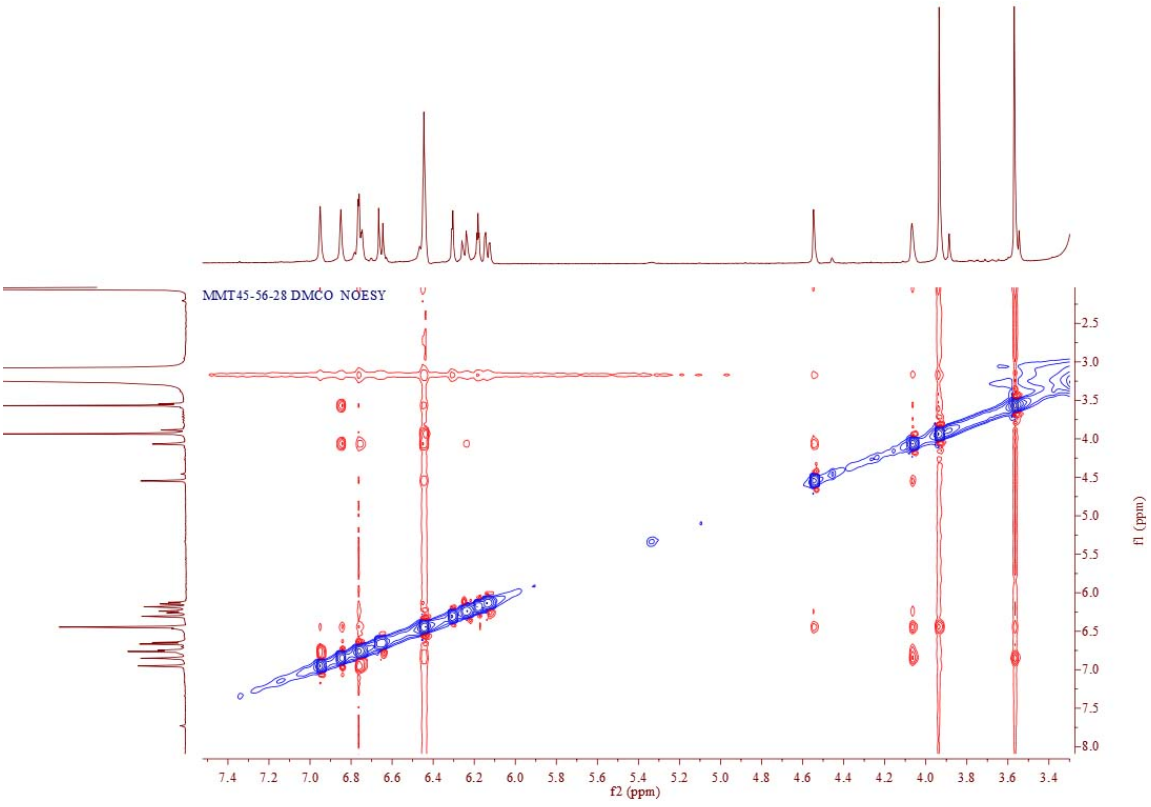
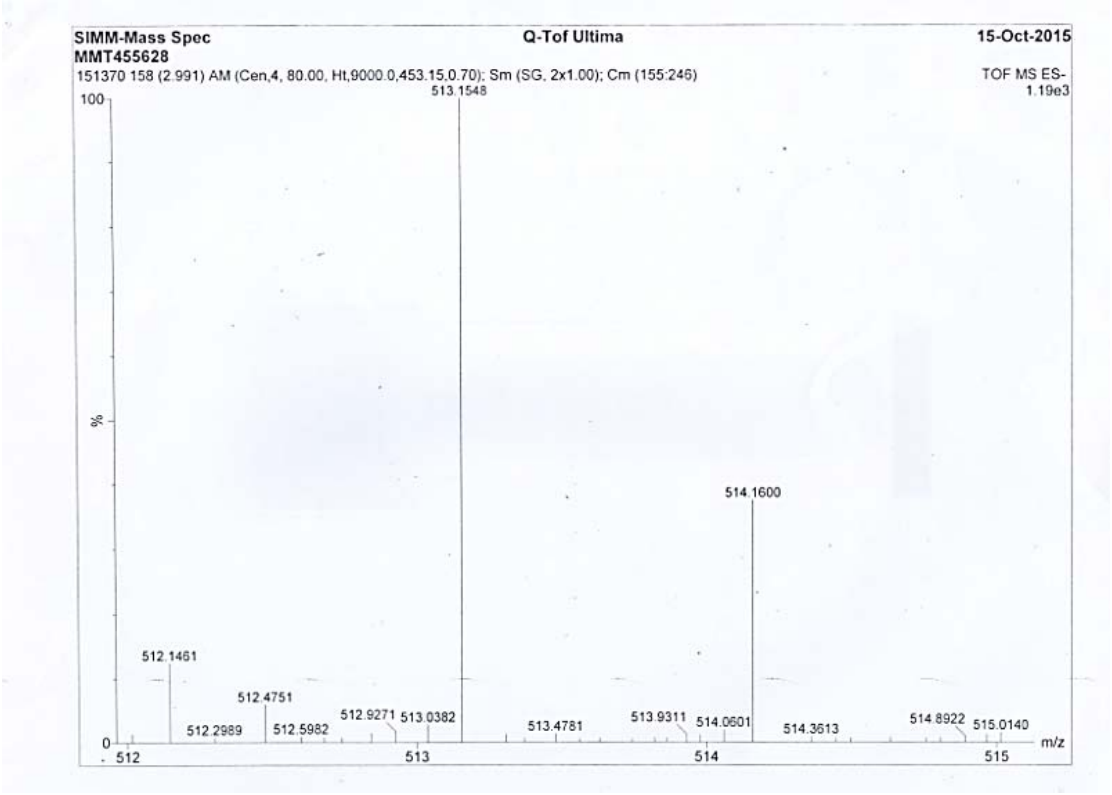


Figure S31. HRESIMS spectrum of **4**.



Gnemontanin D (5)

Figure S32. IR spectrum of **5**.

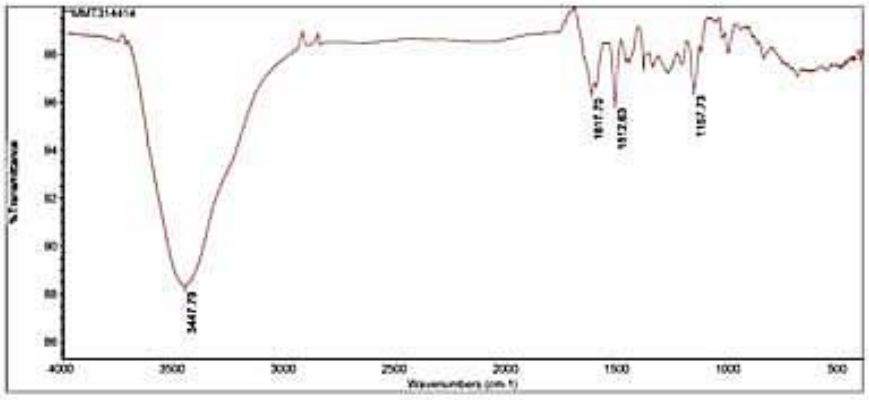


Figure S33. ^{1}H NMR spectrum of **5** in acetone-d_6.

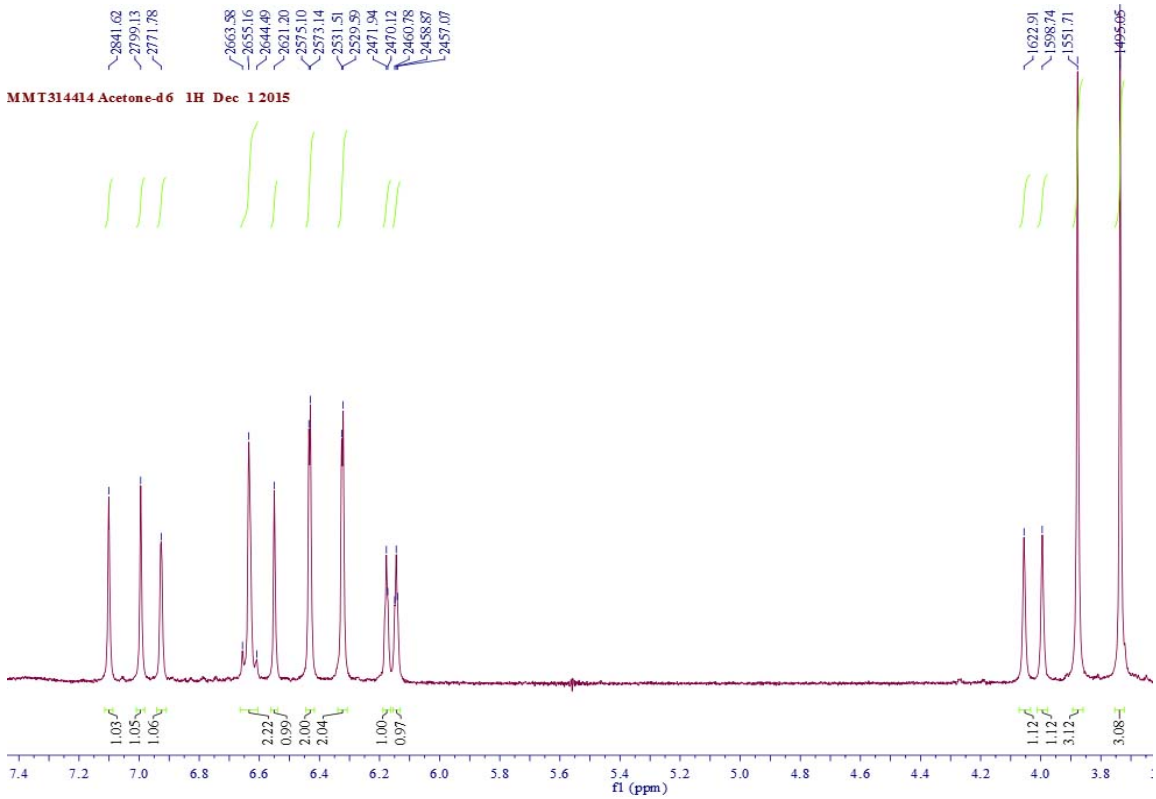


Figure S34. ^{13}C NMR spectrum of **5** in acetone-d_6.

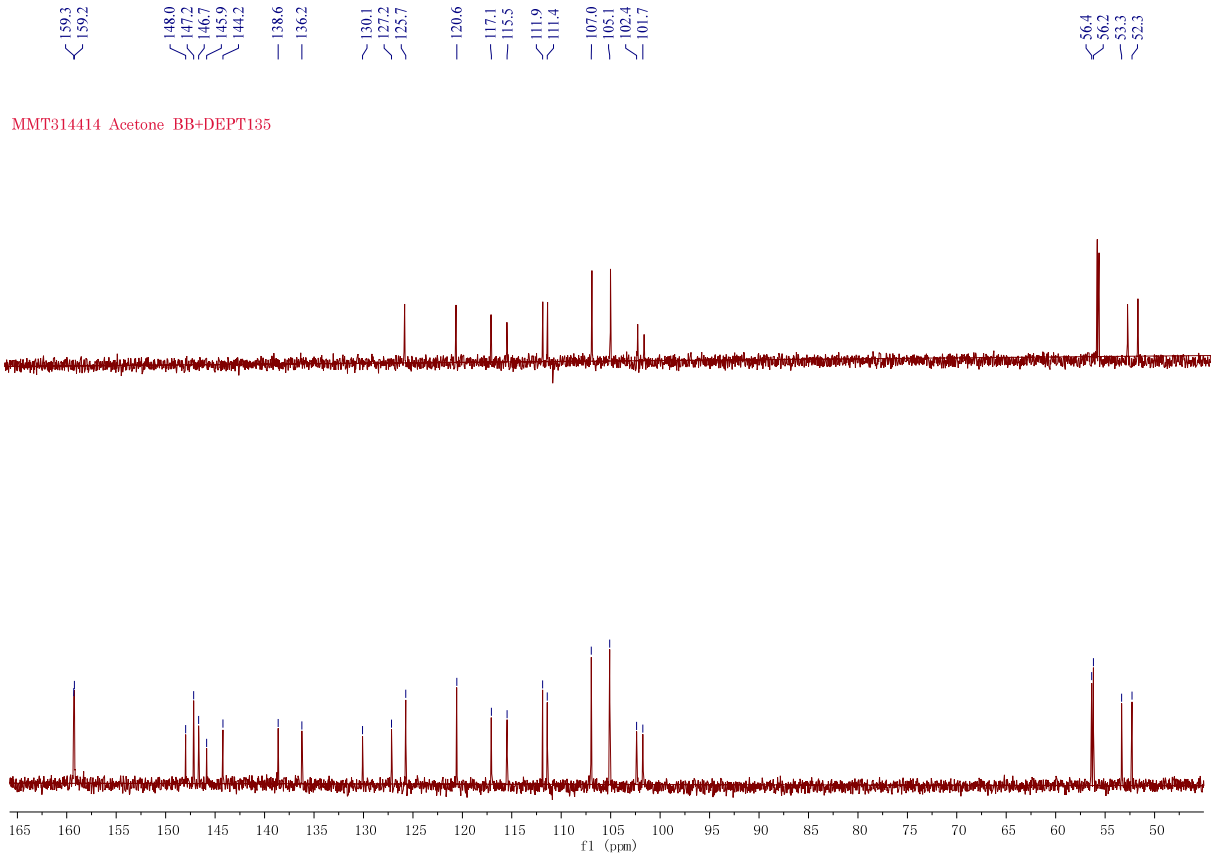


Figure S35. ^{1}H-^{1}H COSY spectrum of **5** in acetone-d_6.

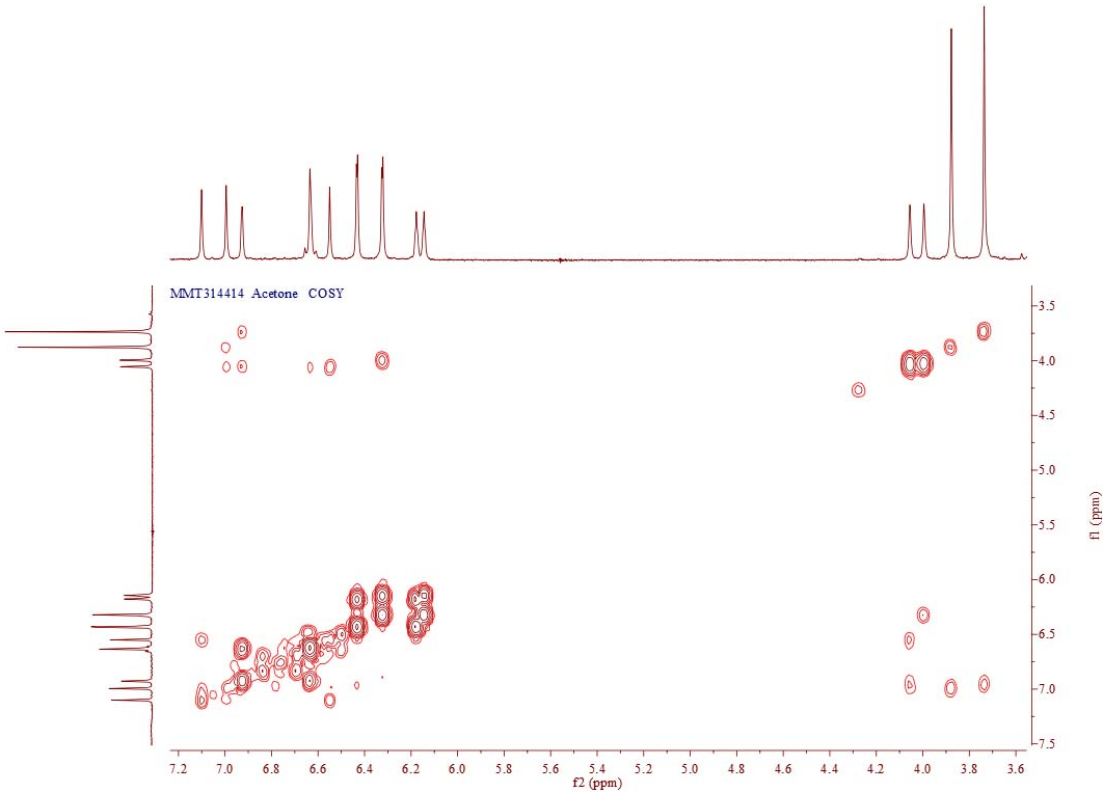


Figure S36. HSQC spectrum of **5** in acetone-d_6.

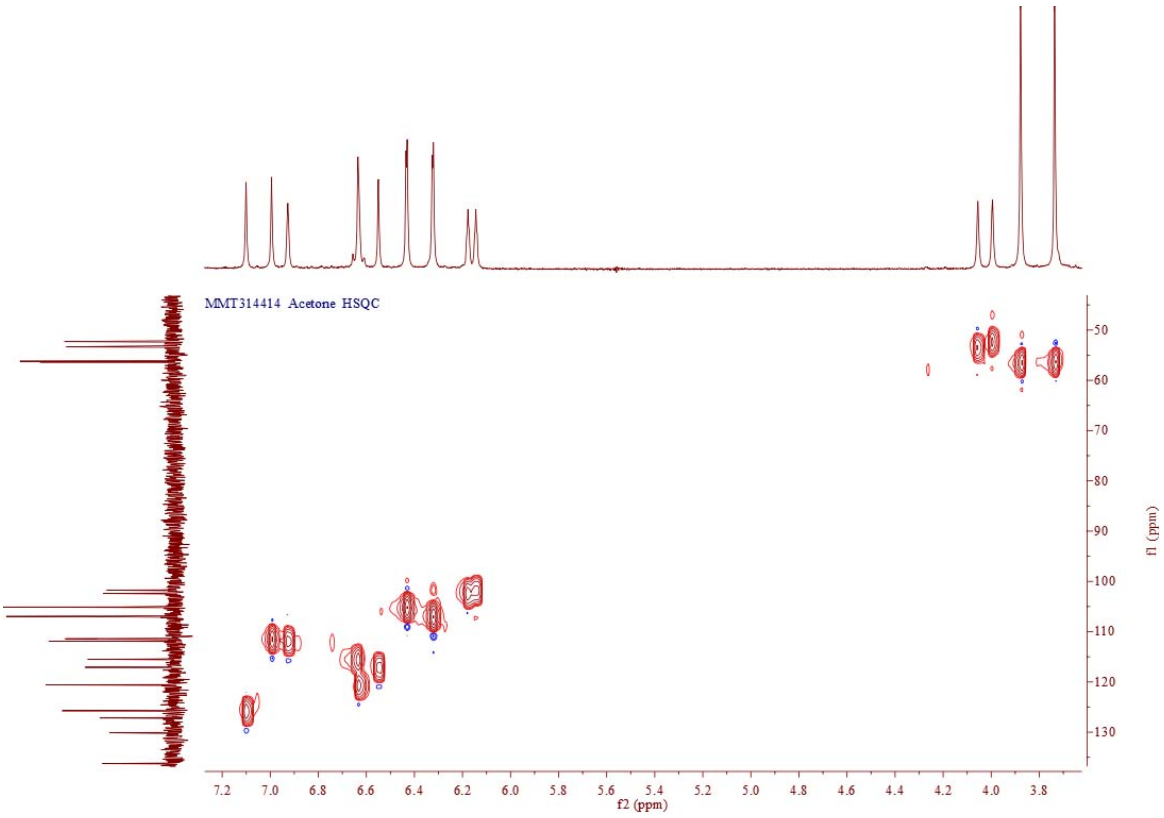


Figure S37. HMBC spectrum of **5** in acetone-d_6.

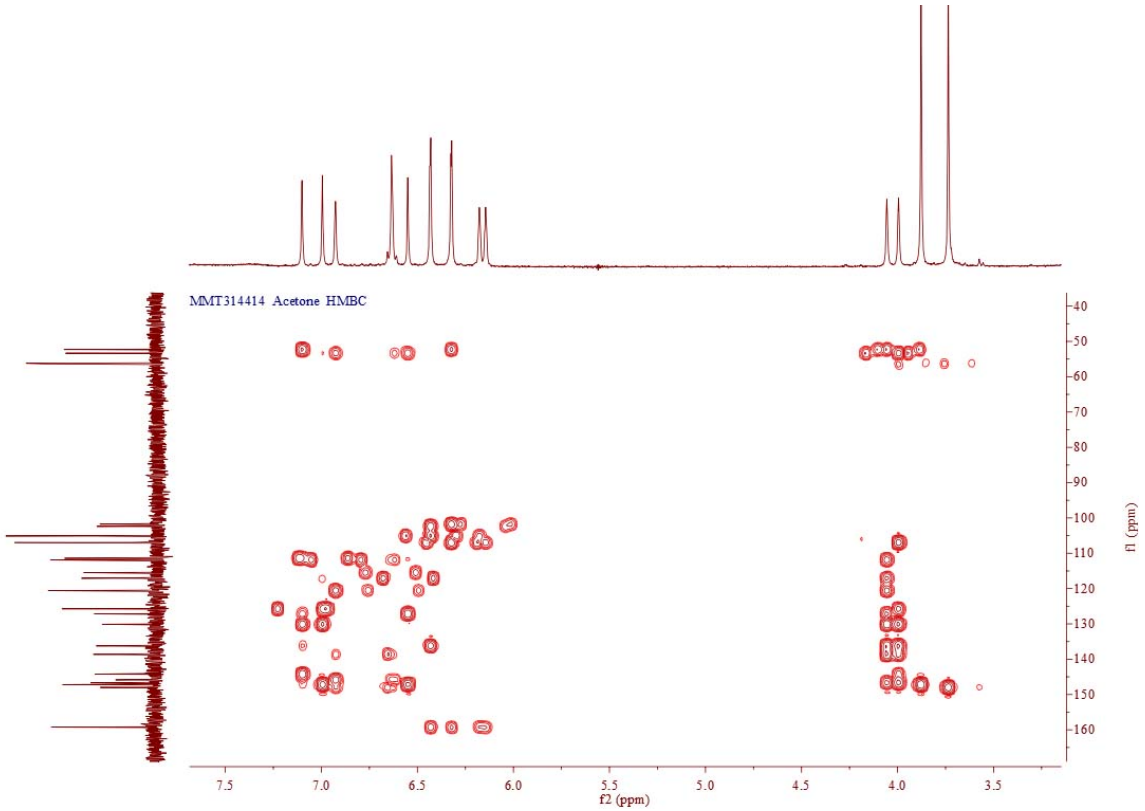


Figure S38. NOESY spectrum of **5** in acetone-d_6.

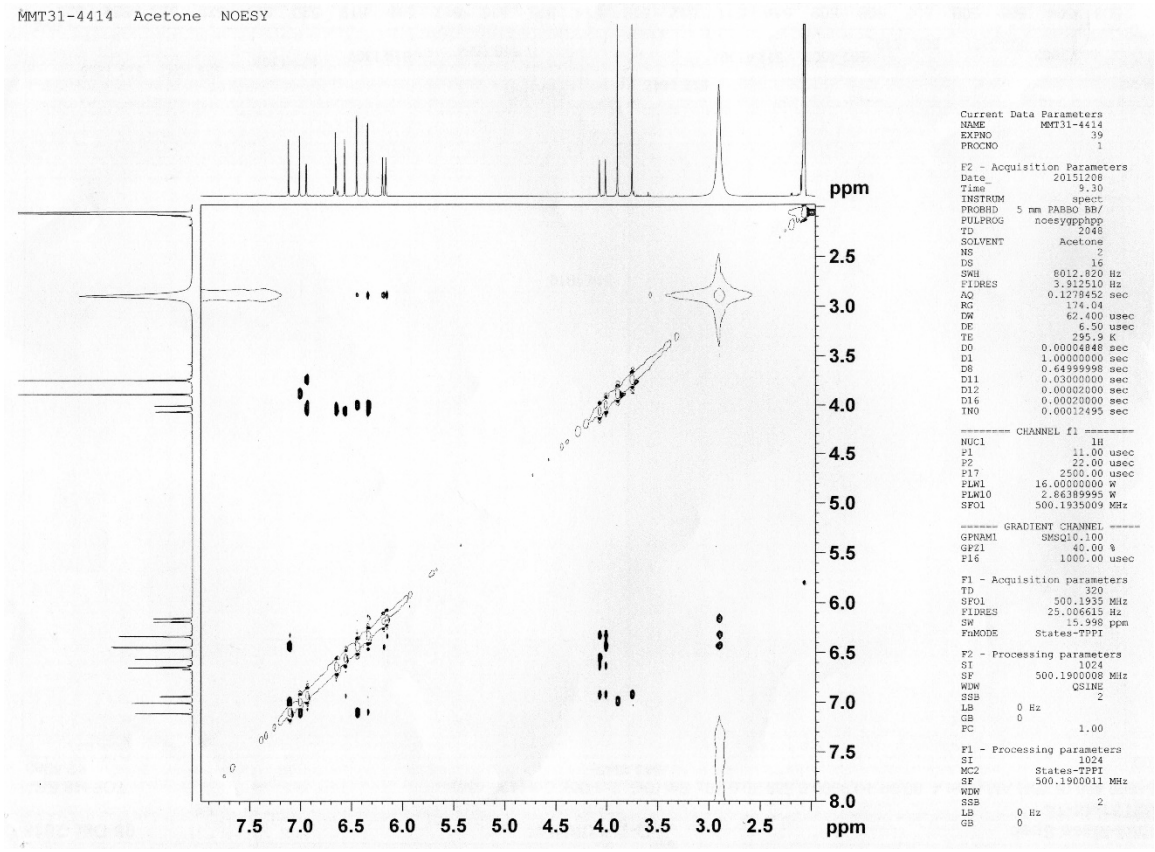
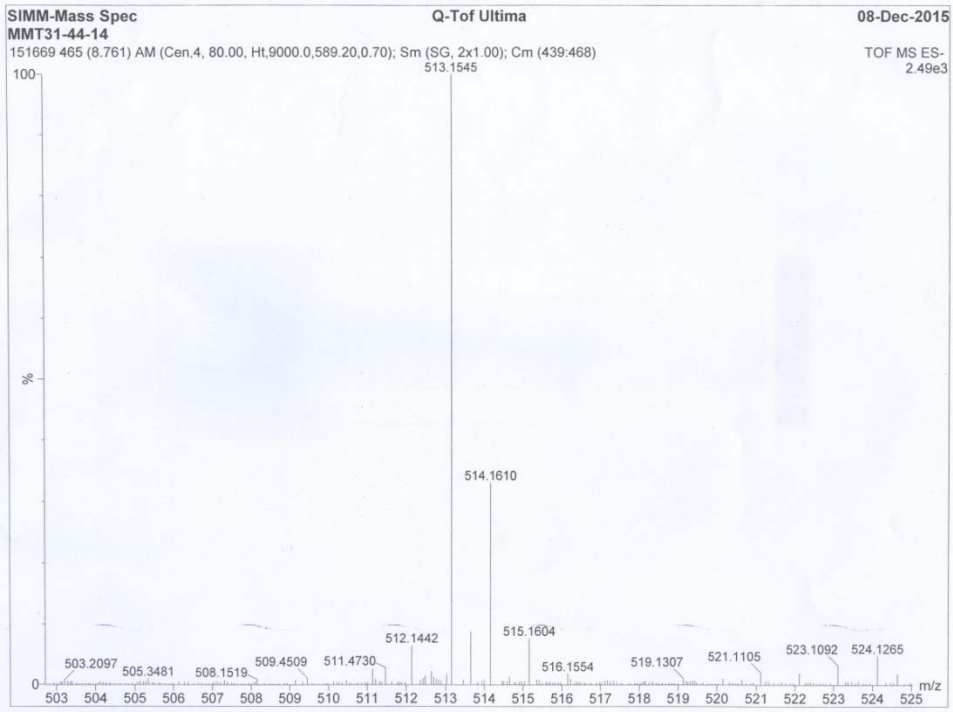


Figure S39. HRESIMS spectrum of **5**.



(-)-Gnetuhainin I (6)

Figure S40. ^{1}H NMR spectrum of **6** in acetone-d_6.

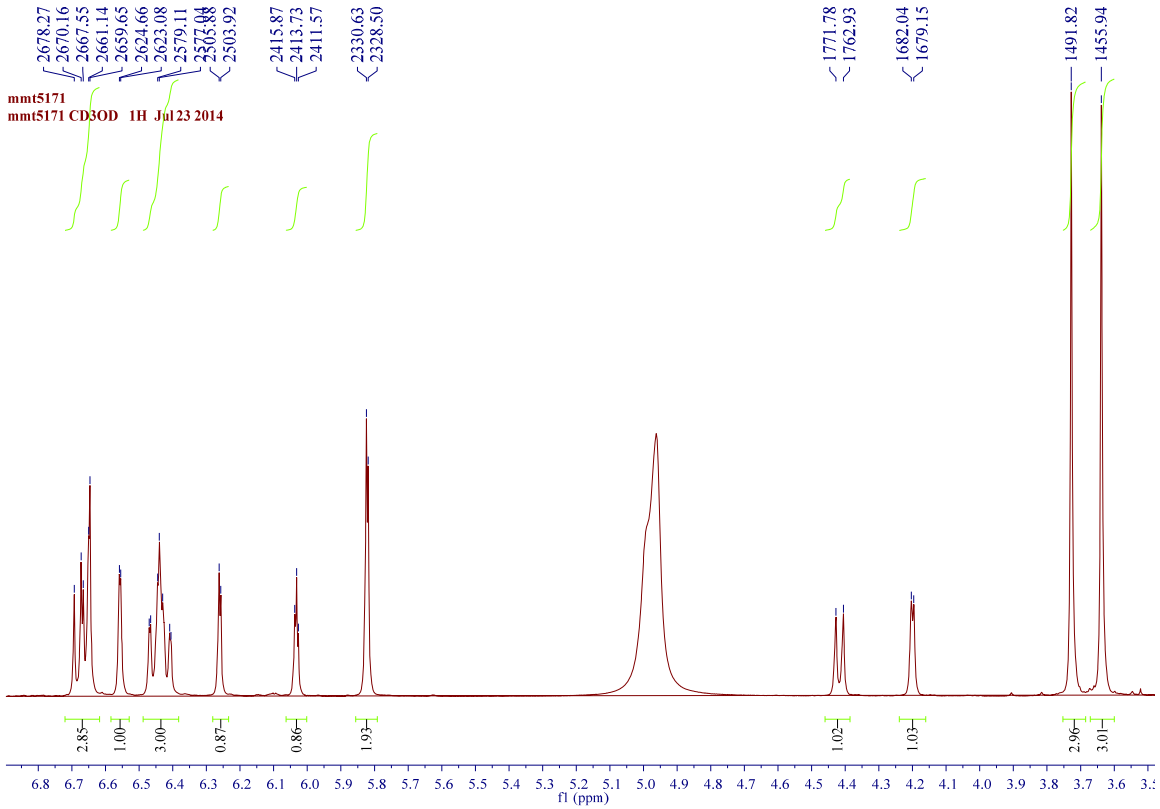


Figure S41. ^{13}C NMR spectrum of **6** in acetone-d_6.

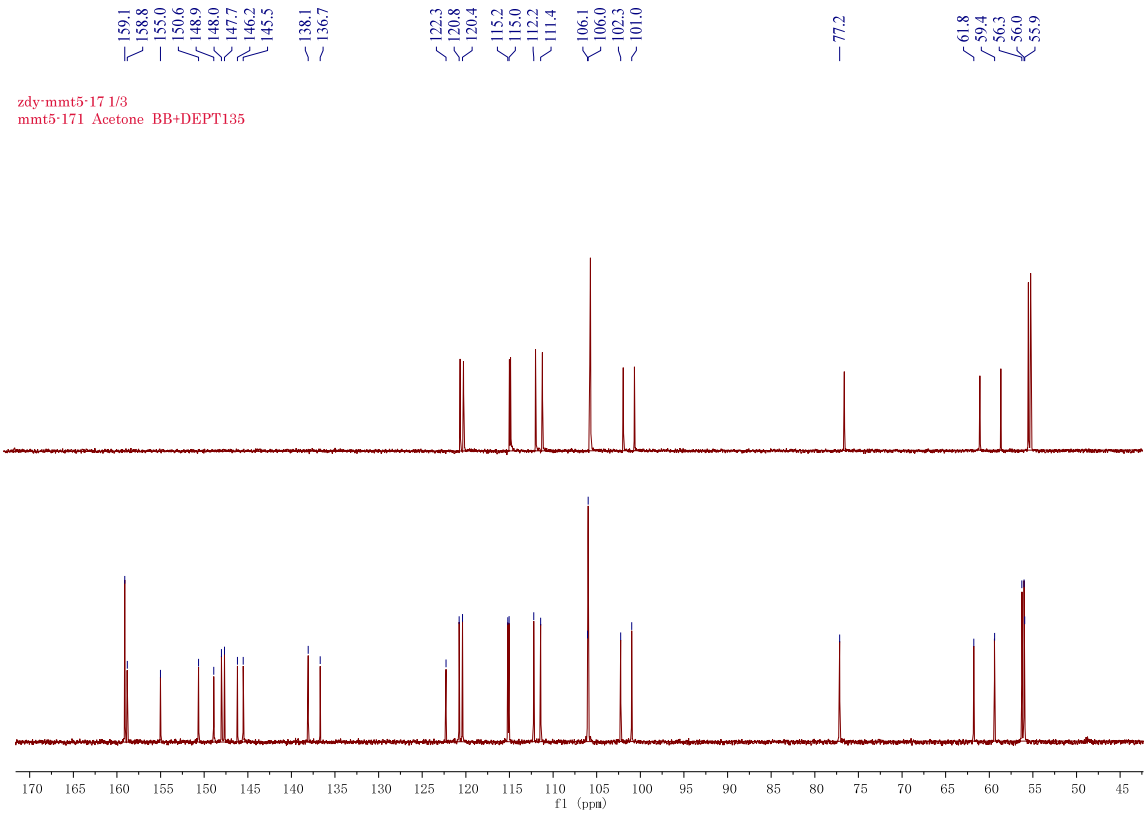


Figure S42. ^{1}H-^{1}H COSY spectrum of **6** in acetone-d_6.

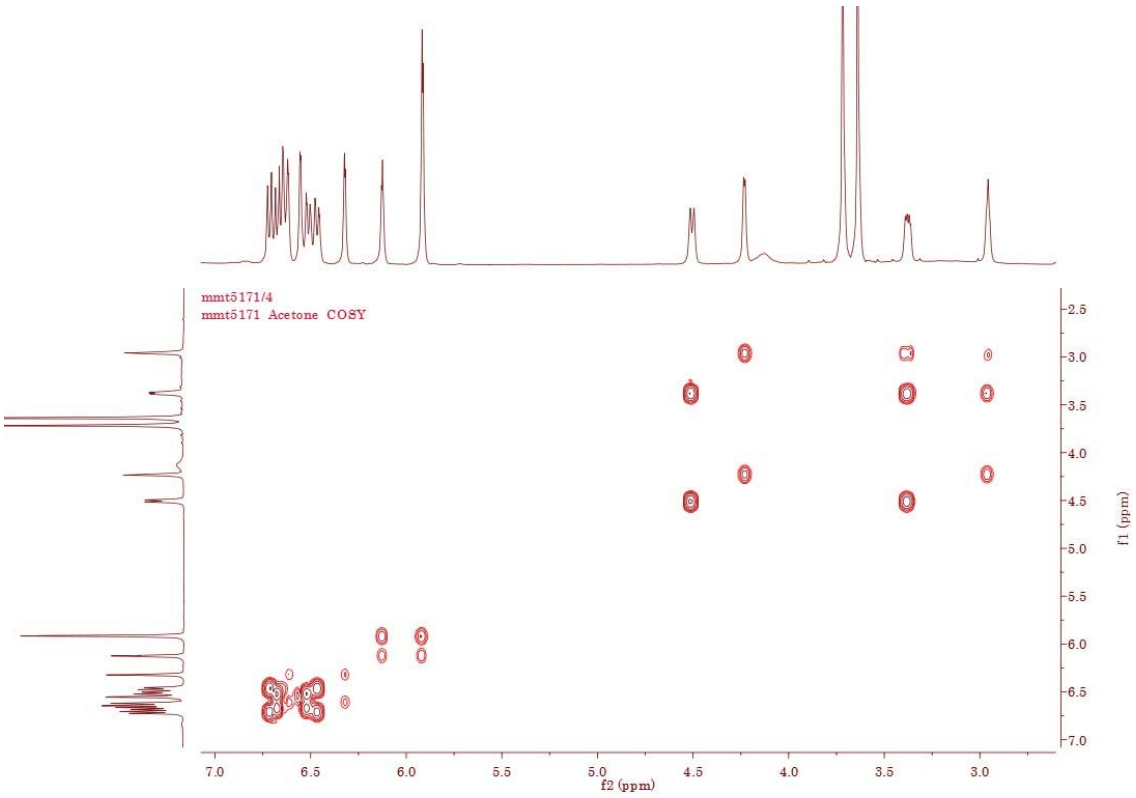


Figure S43. HSQC spectrum of **6** in acetone-d_6.

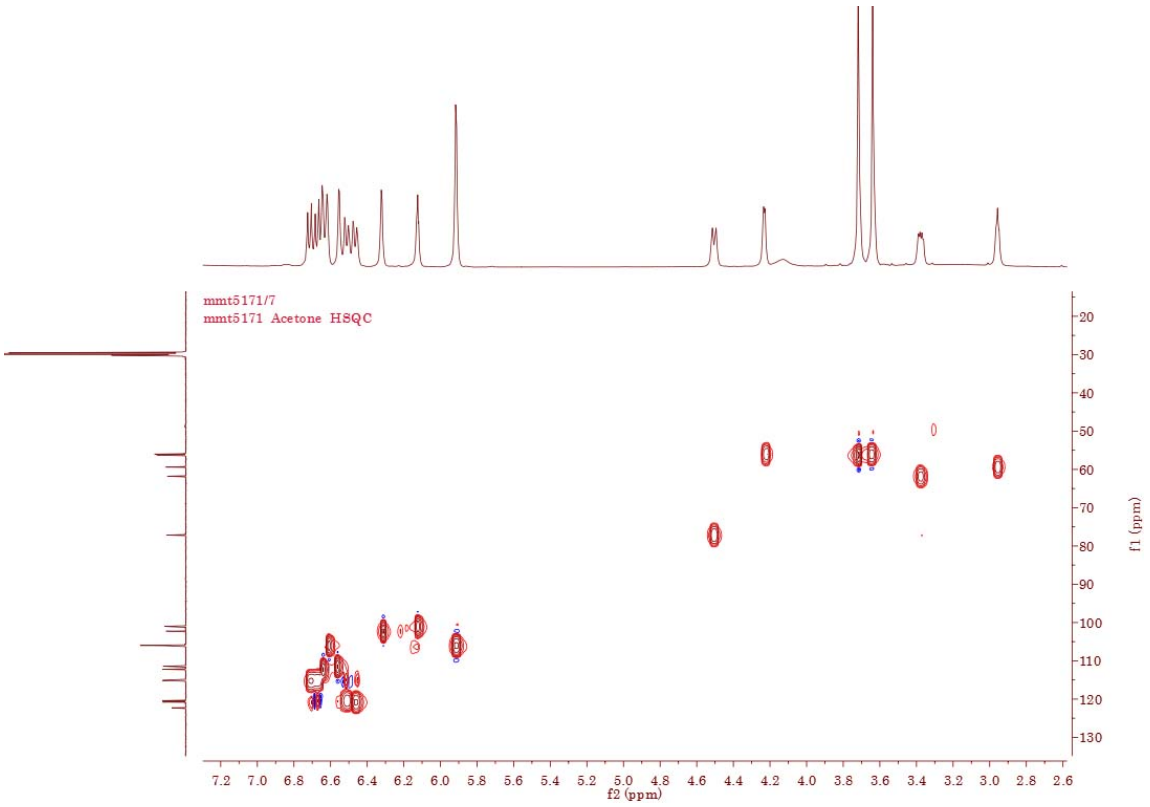


Figure S44. HMBC spectrum of **6** in acetone-d_6.

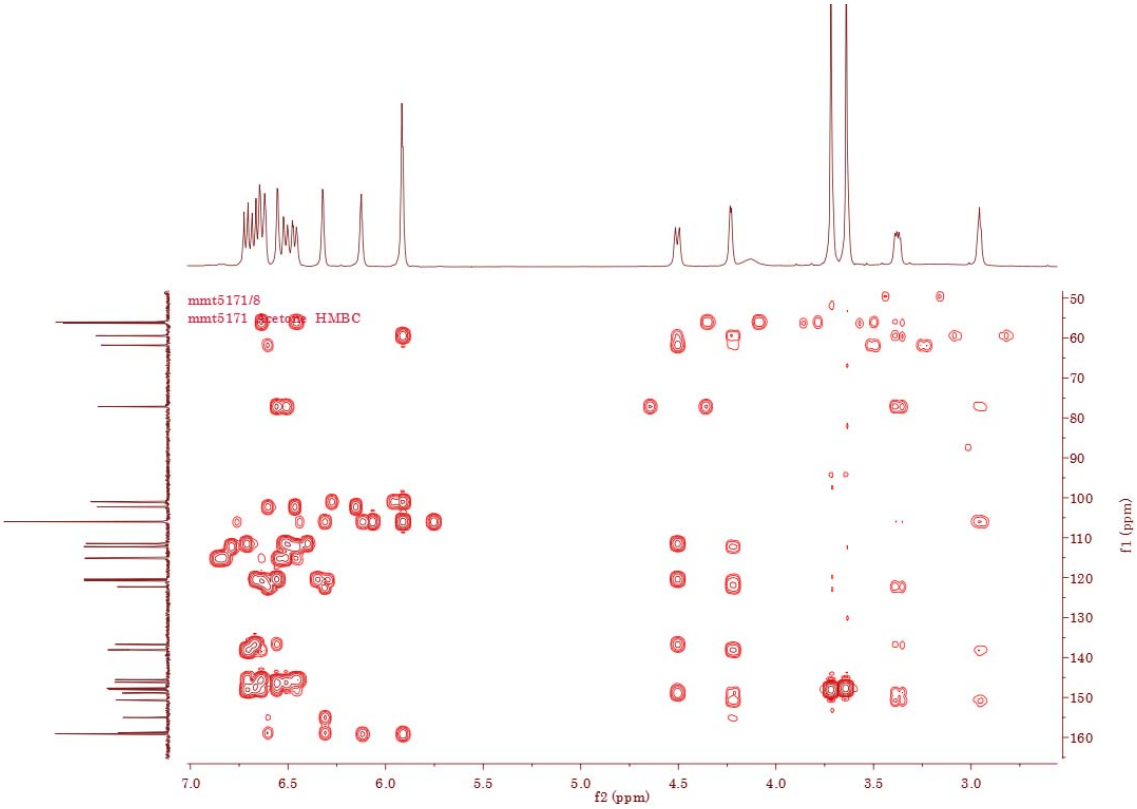


Figure S45. NOESY spectrum of **6** in acetone-d_6.

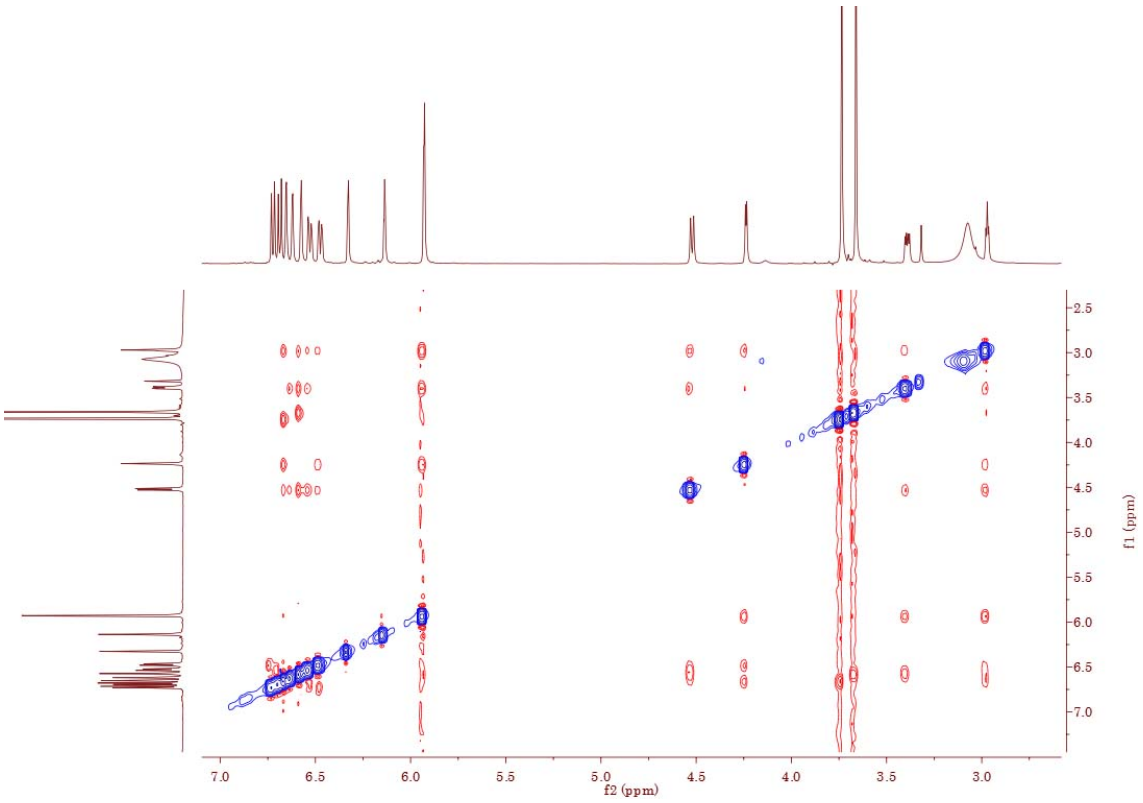
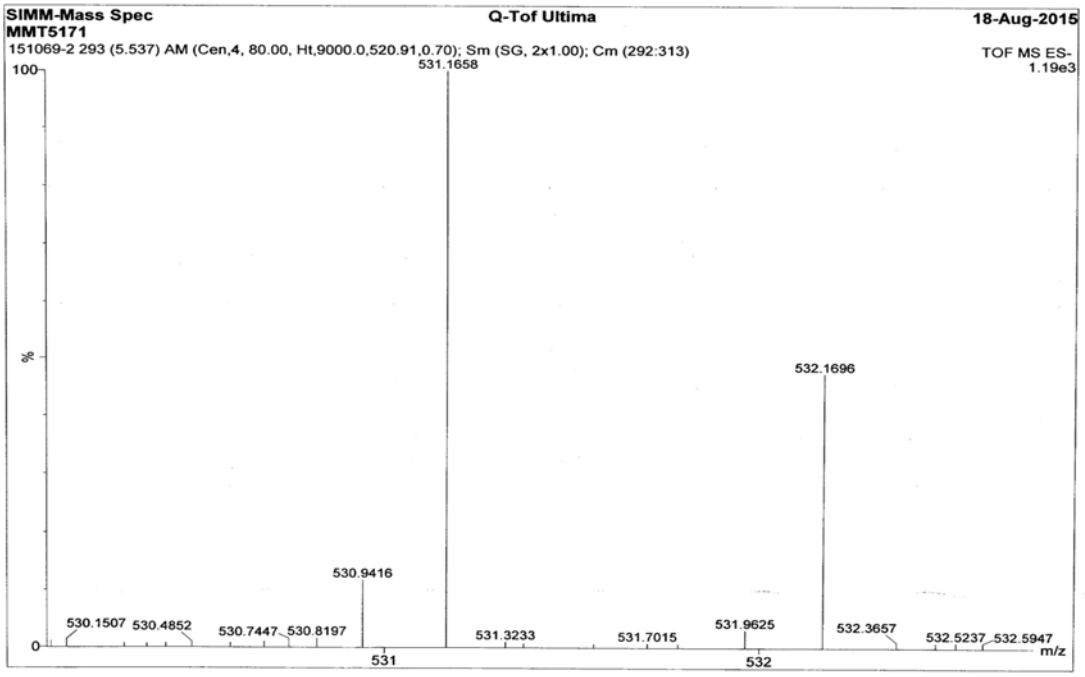


Figure S46. HRESIMS spectrum of **6**.



Gnemontanin E (7)

Figure S47. IR spectrum of **7**.

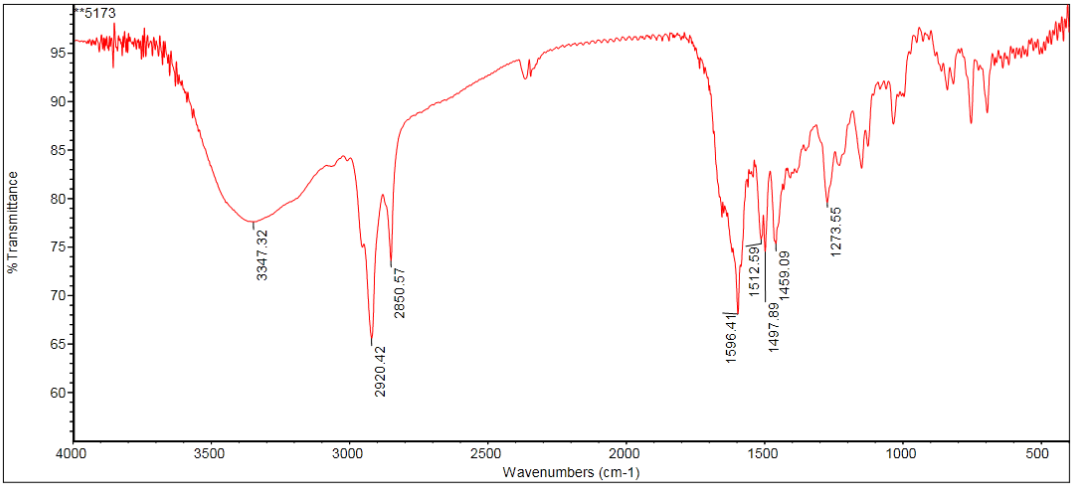


Figure S48. ^{1}H NMR spectrum of **7** in acetone-d_6.

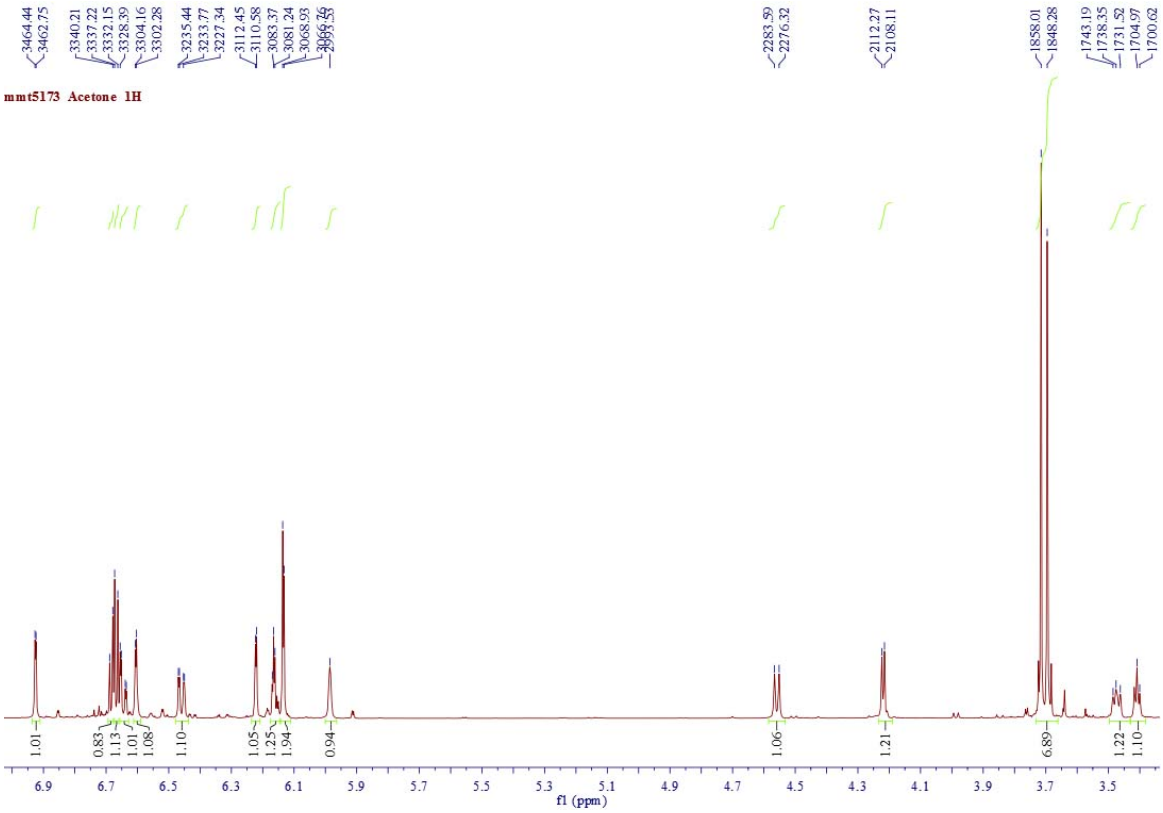


Figure S49. ^{13}C NMR spectrum of **7** in acetone-d_6.

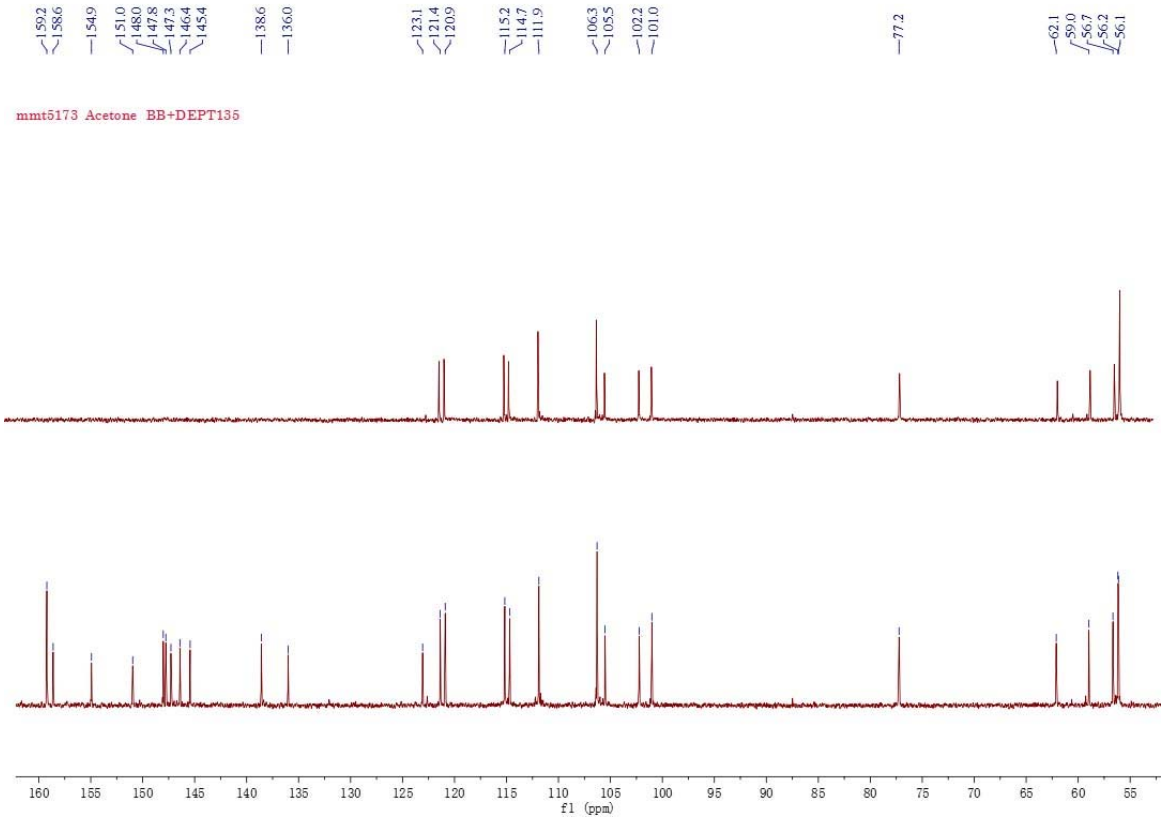


Figure S50. ^{1}H-^{1}H COSY spectrum of **7** in acetone-d_6.

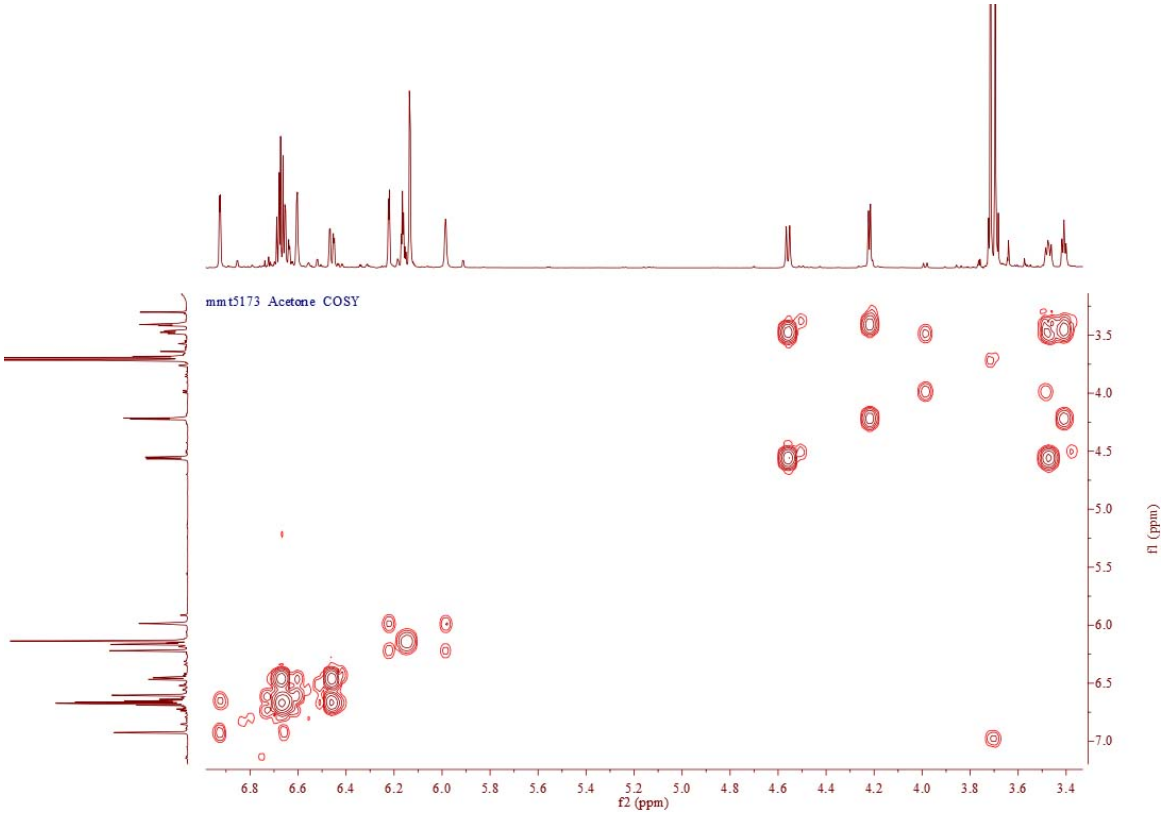


Figure S51. HSQC spectrum of **7** in acetone-d_6.

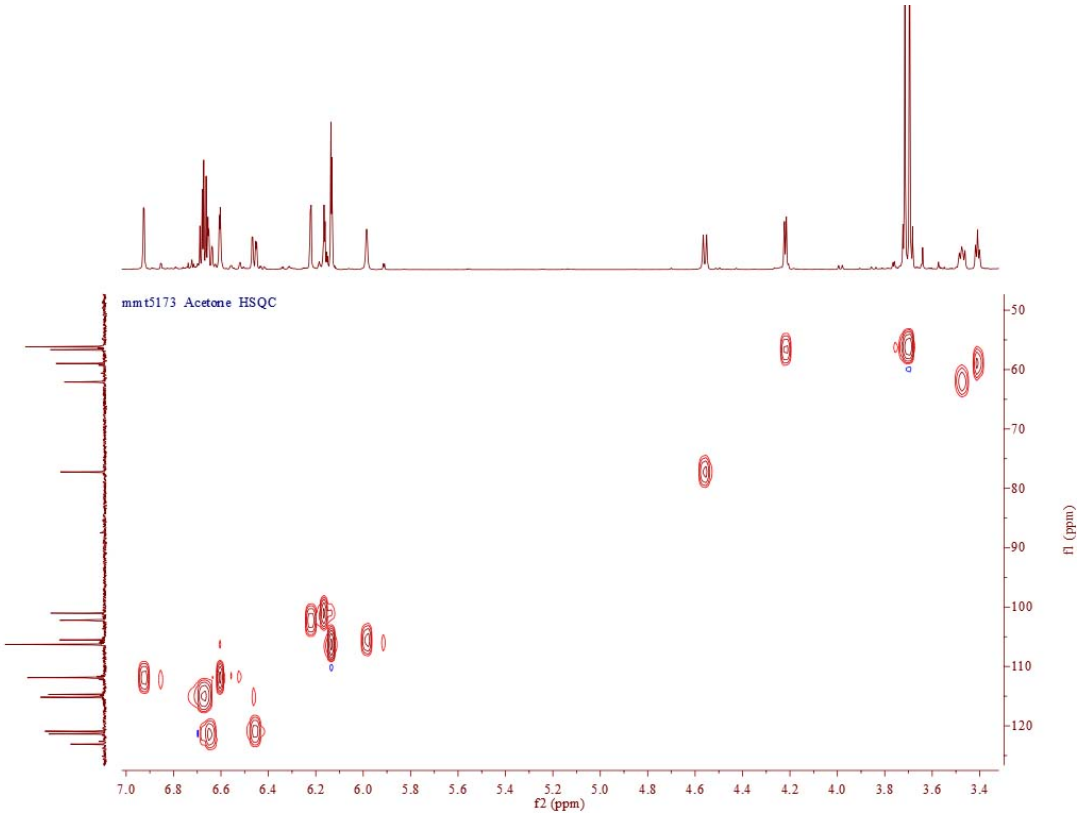


Figure S52. HMBC spectrum of **7** in acetone-d_6.

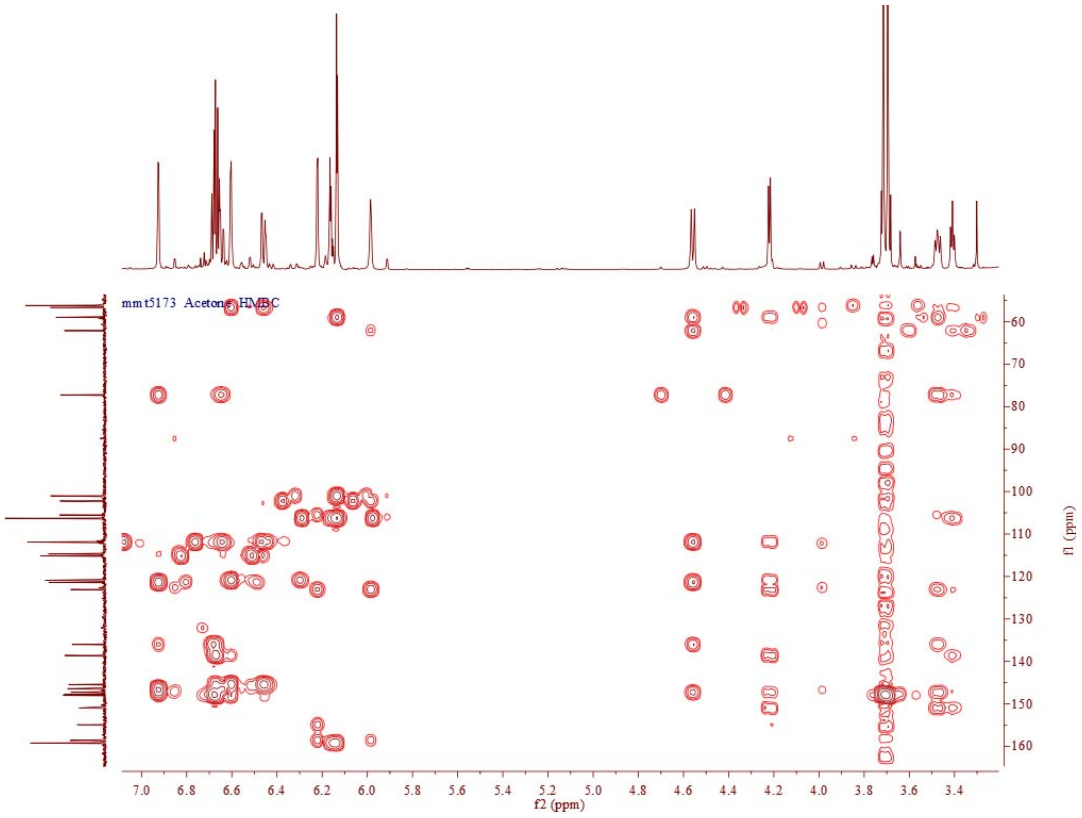


Figure S53. NOESY spectrum of **7** in acetone-d_6.

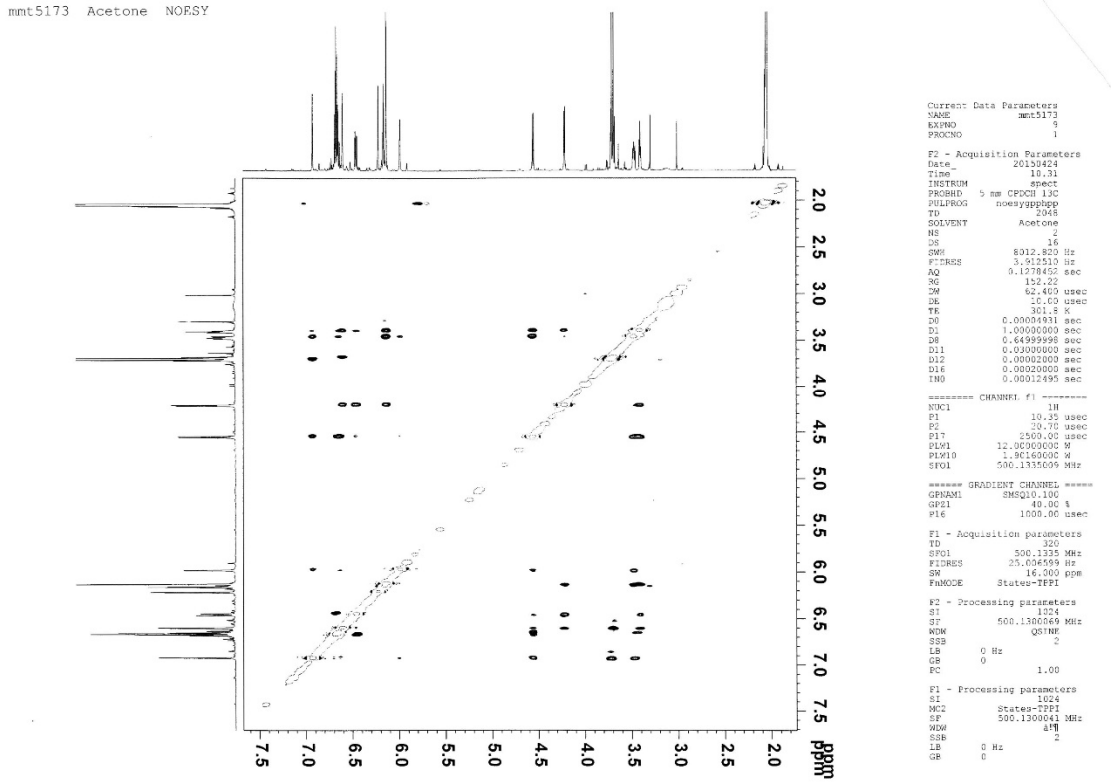
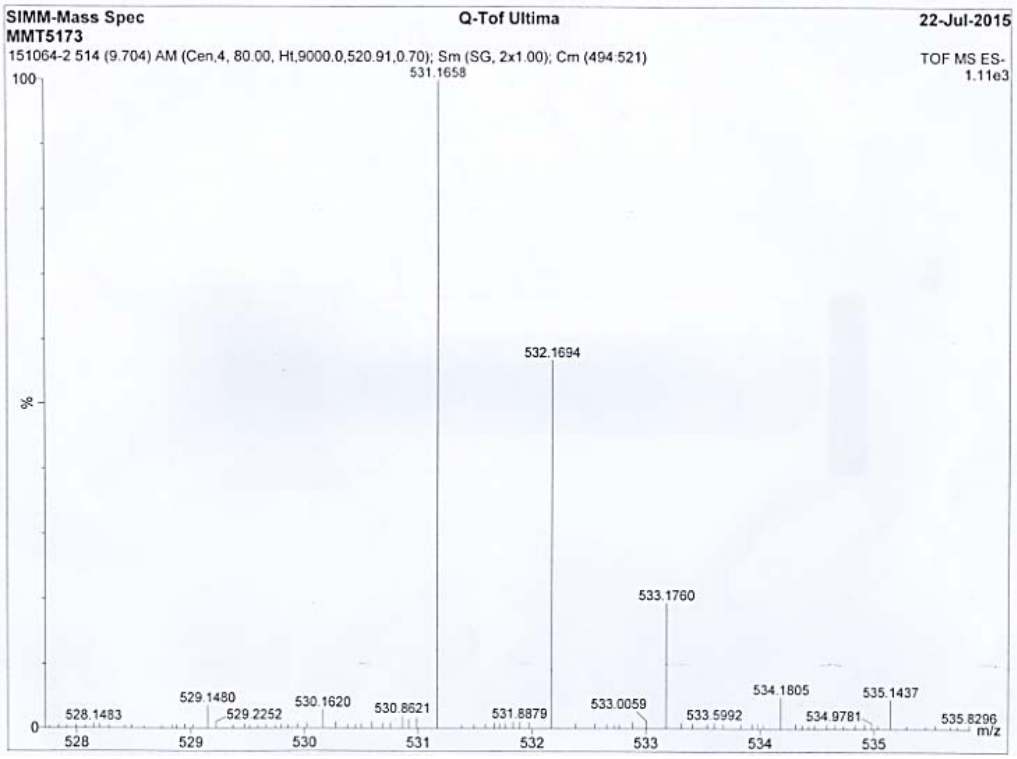


Figure S54. HRESIMS spectrum of **7**.



Gnemontanin F (8)

Figure S55. IR spectrum of **8**.

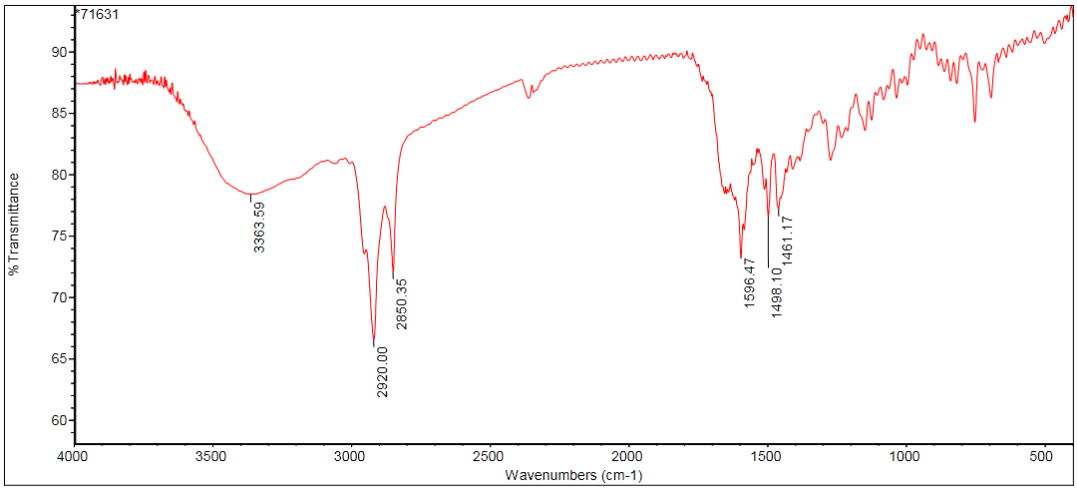


Figure S56. ^{1}H NMR spectrum of **8** in acetone-d_6.

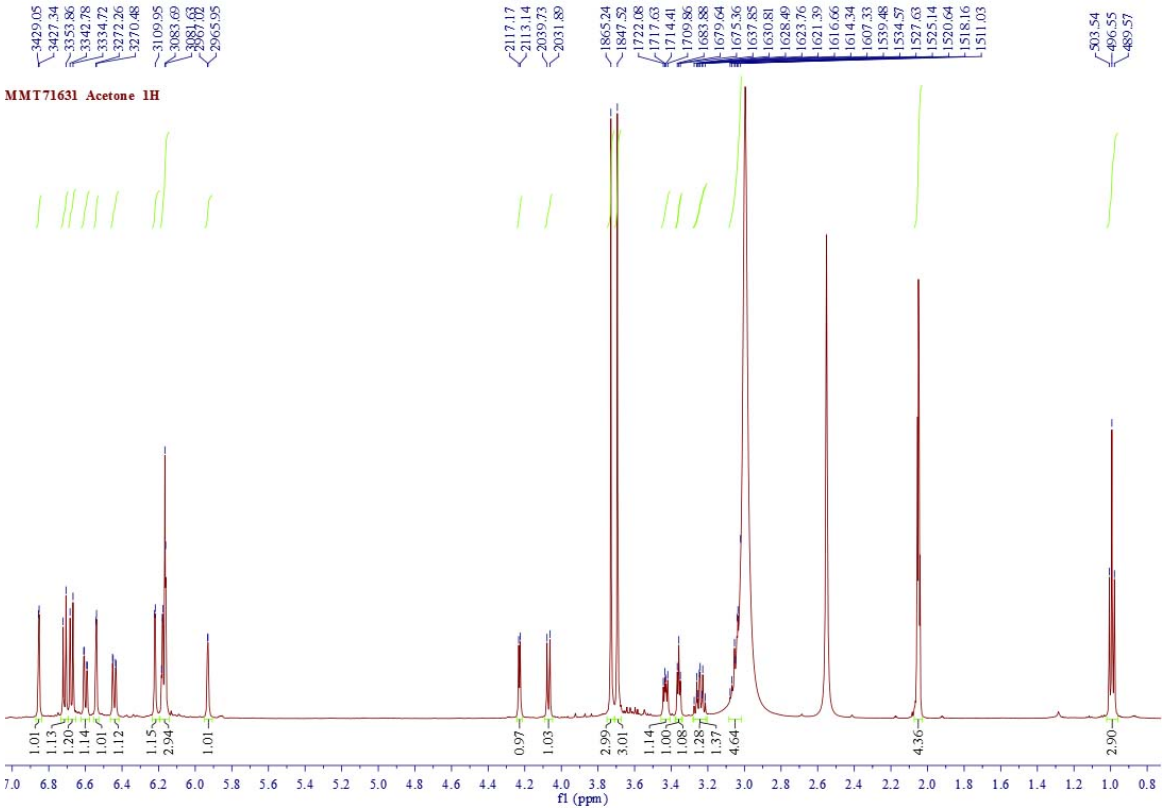


Figure S57. ^{13}C NMR spectrum of **8** in acetone-d_6.

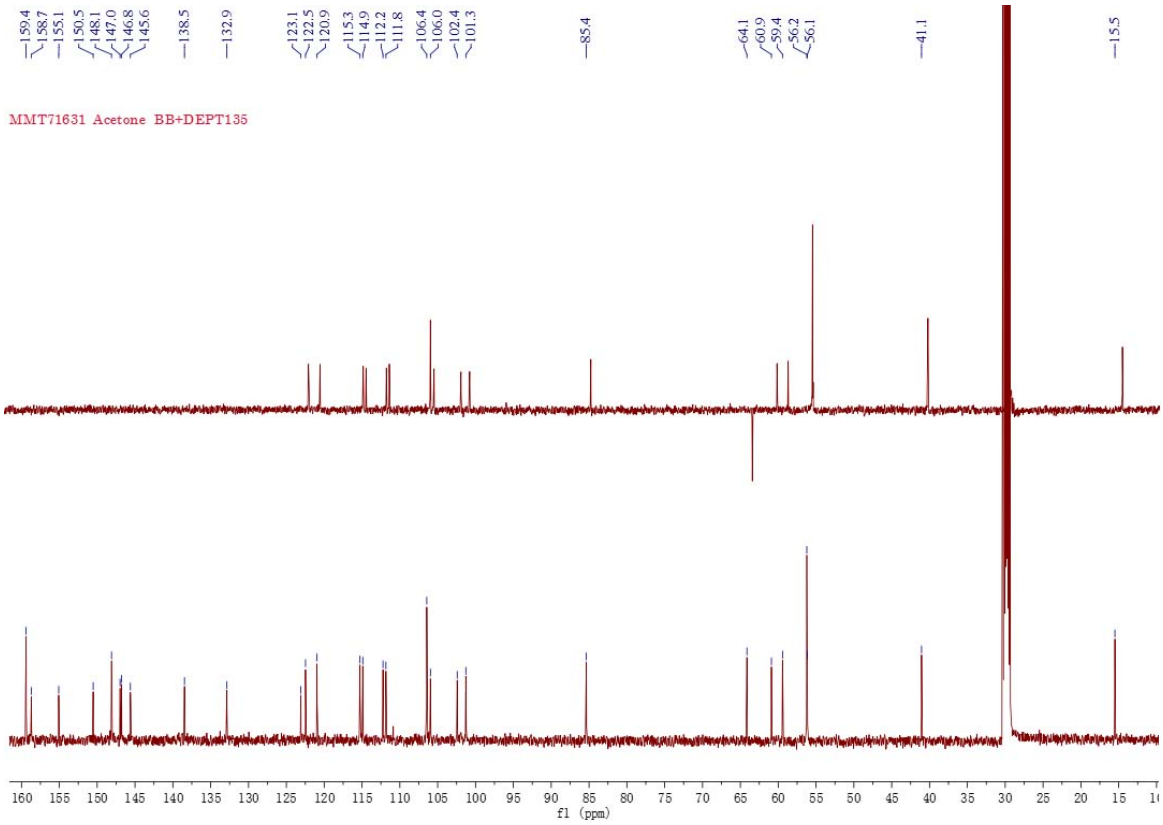


Figure S58. ^{1}H-^{1}H COSY spectrum of **8** in acetone-d_6.

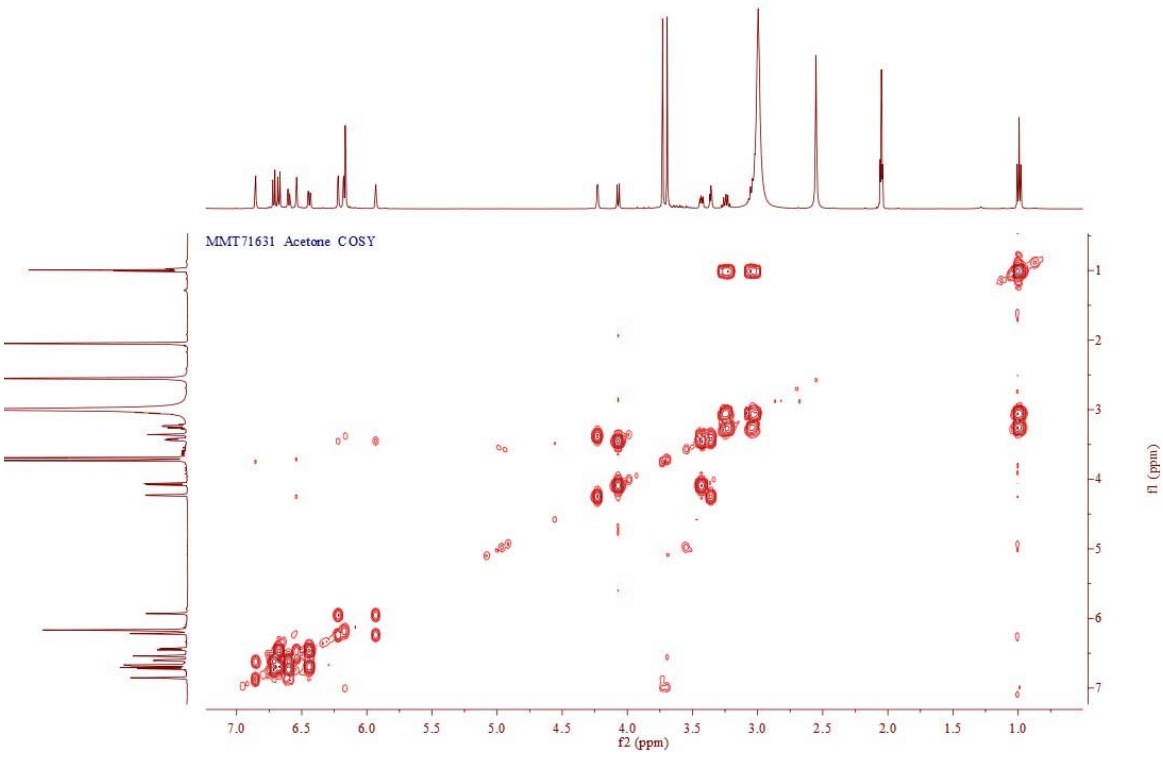


Figure S59. HSQC spectrum of **8** in acetone-d_6.

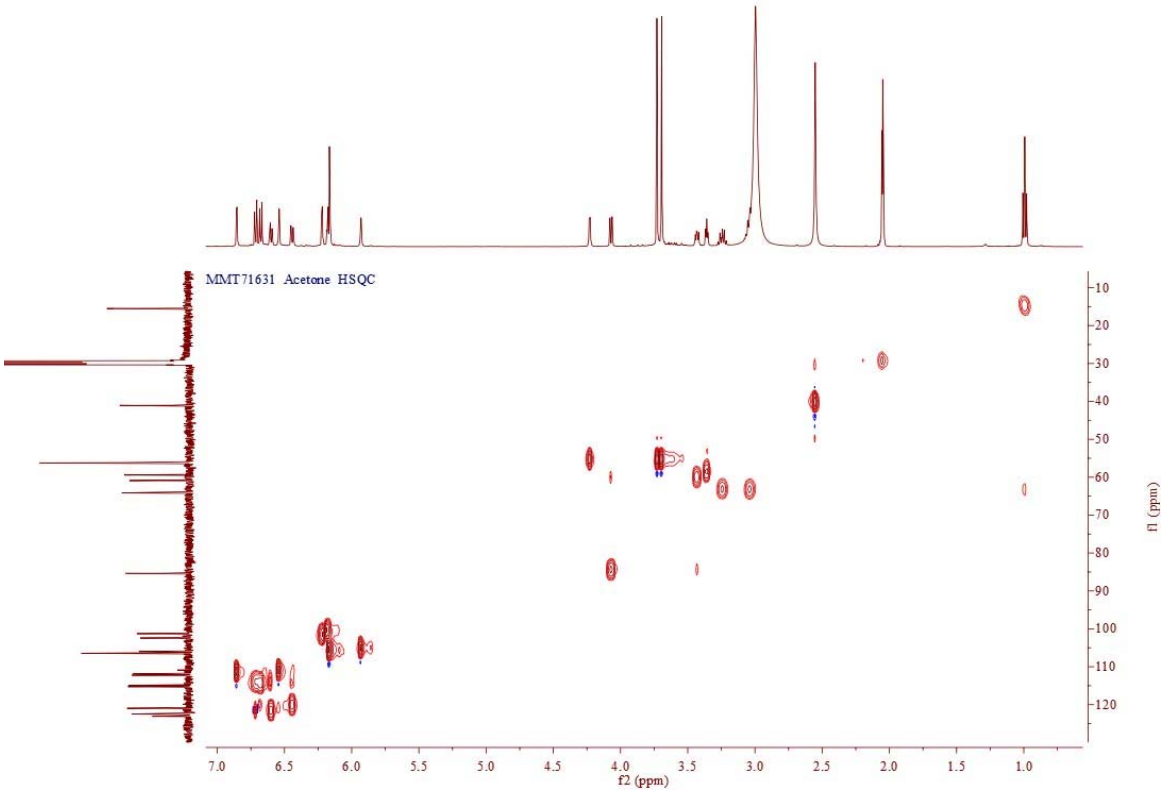


Figure S60. HMBC spectrum of **8** in acetone-d_6.

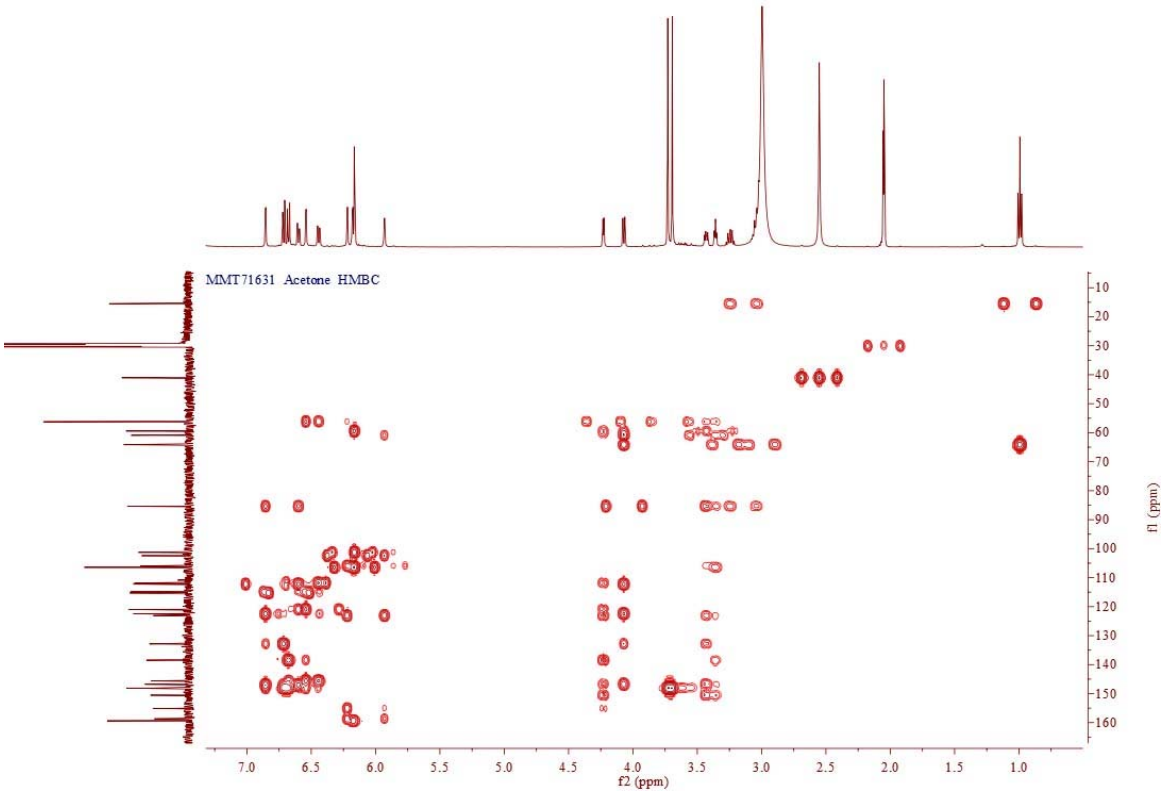


Figure S61. NOESY spectrum of **8** in acetone-d_6.

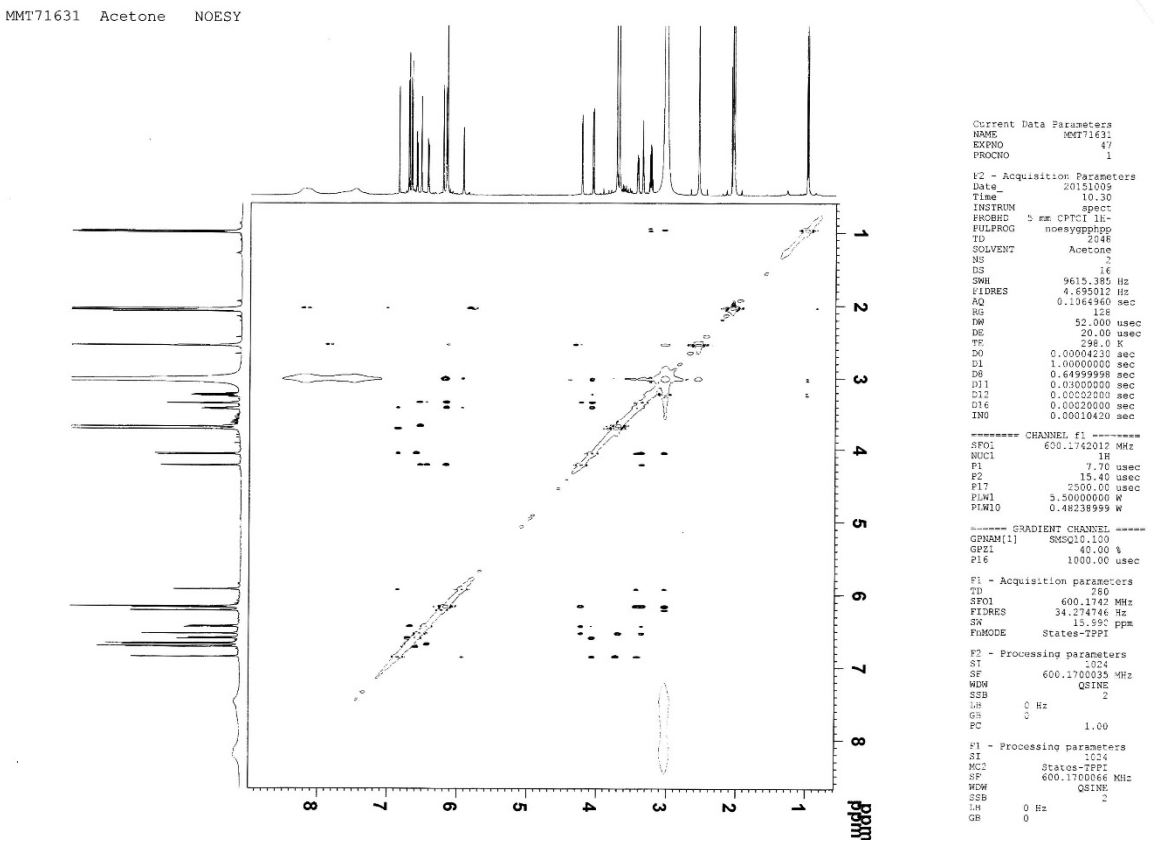
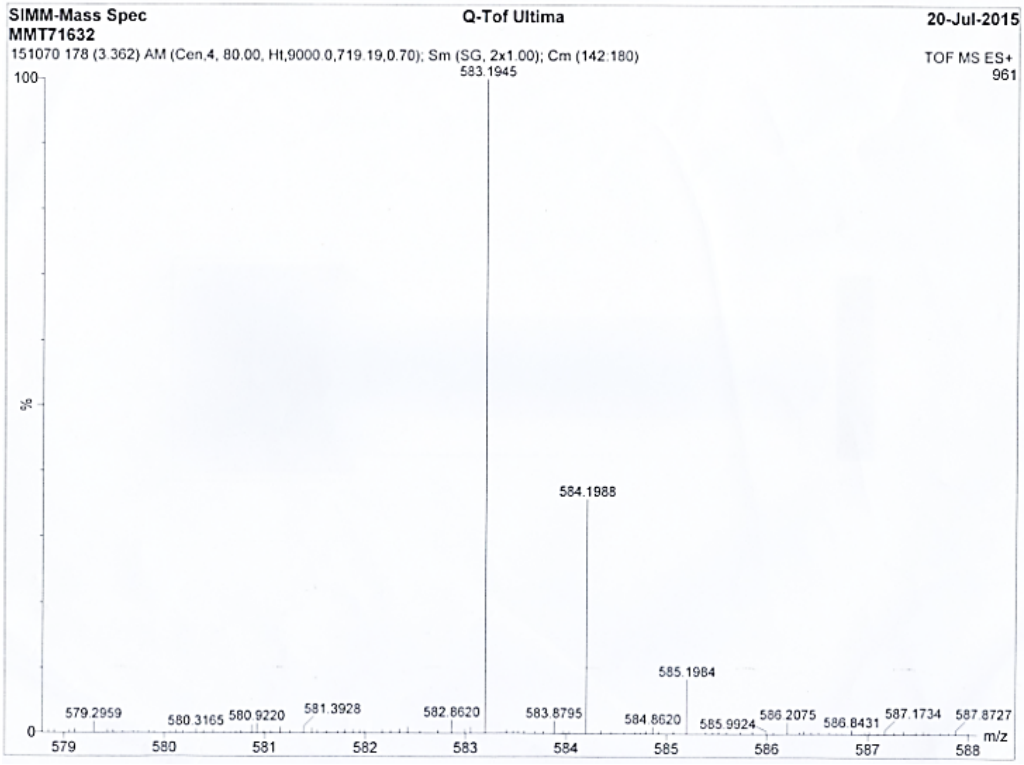


Figure S62. HRESIMS spectrum of **8**.



Gnemontanin G (12)

Figure S63. IR spectrum of **12**.

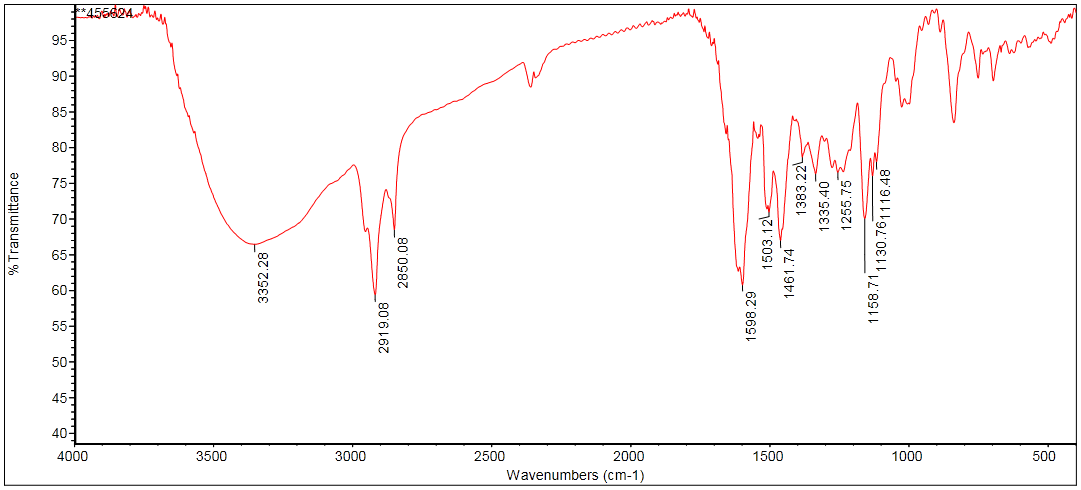


Figure S64. ^{1}H NMR spectrum of **12** in acetone-d_6.

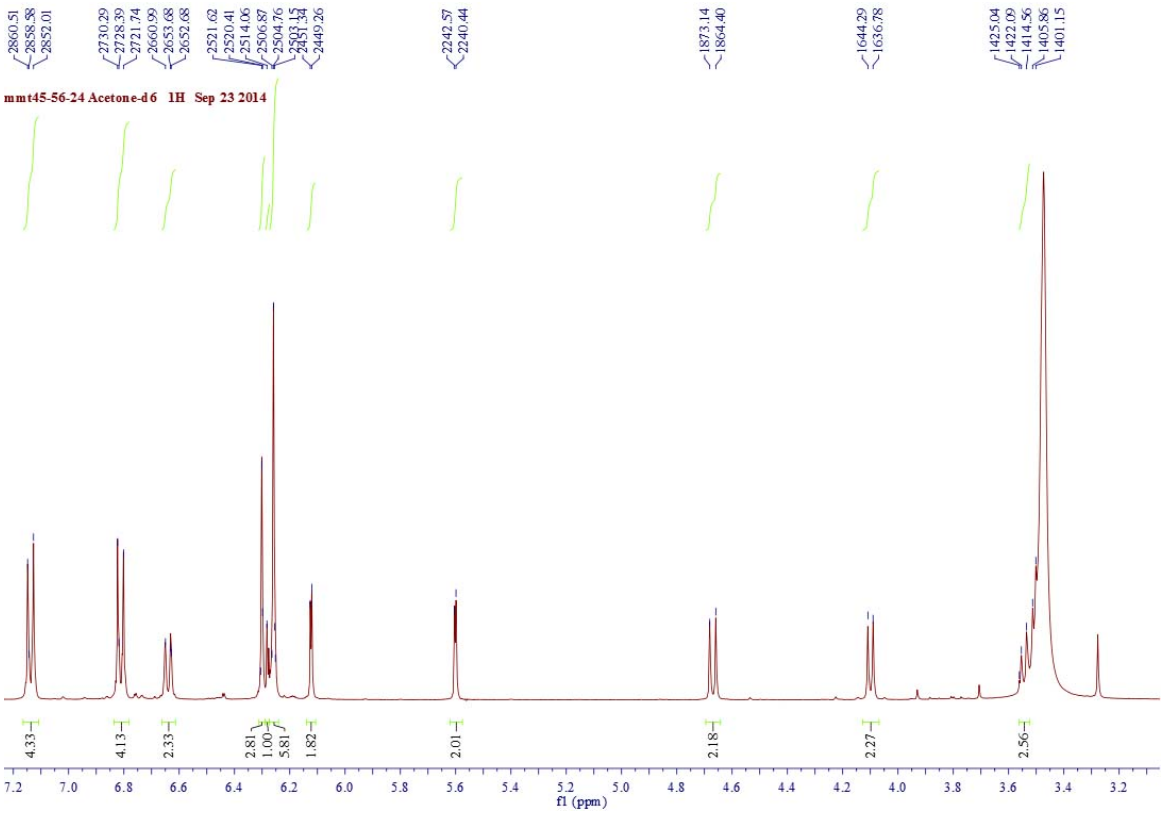


Figure S65. ^{13}C NMR spectrum of **12** in acetone-d_6.

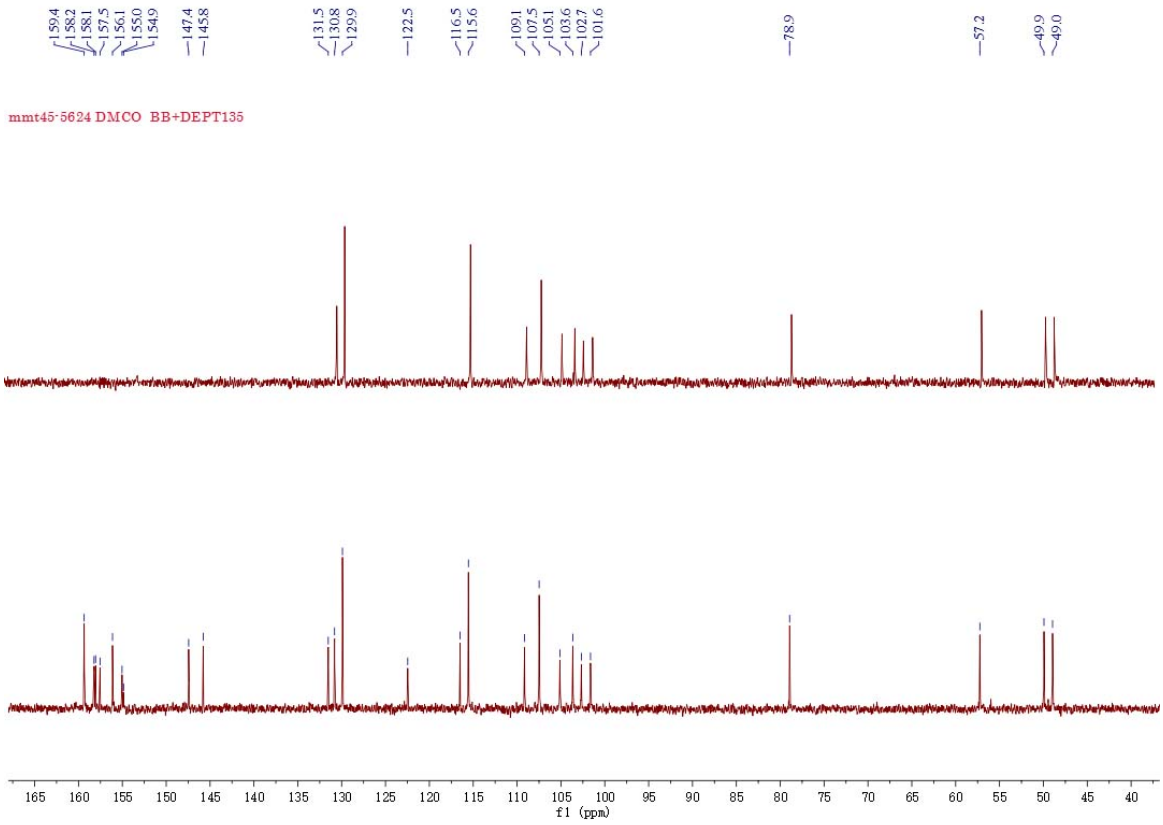


Figure S66. ^{1}H-^{1}H COSY spectrum of 12 in acetone-d_6.

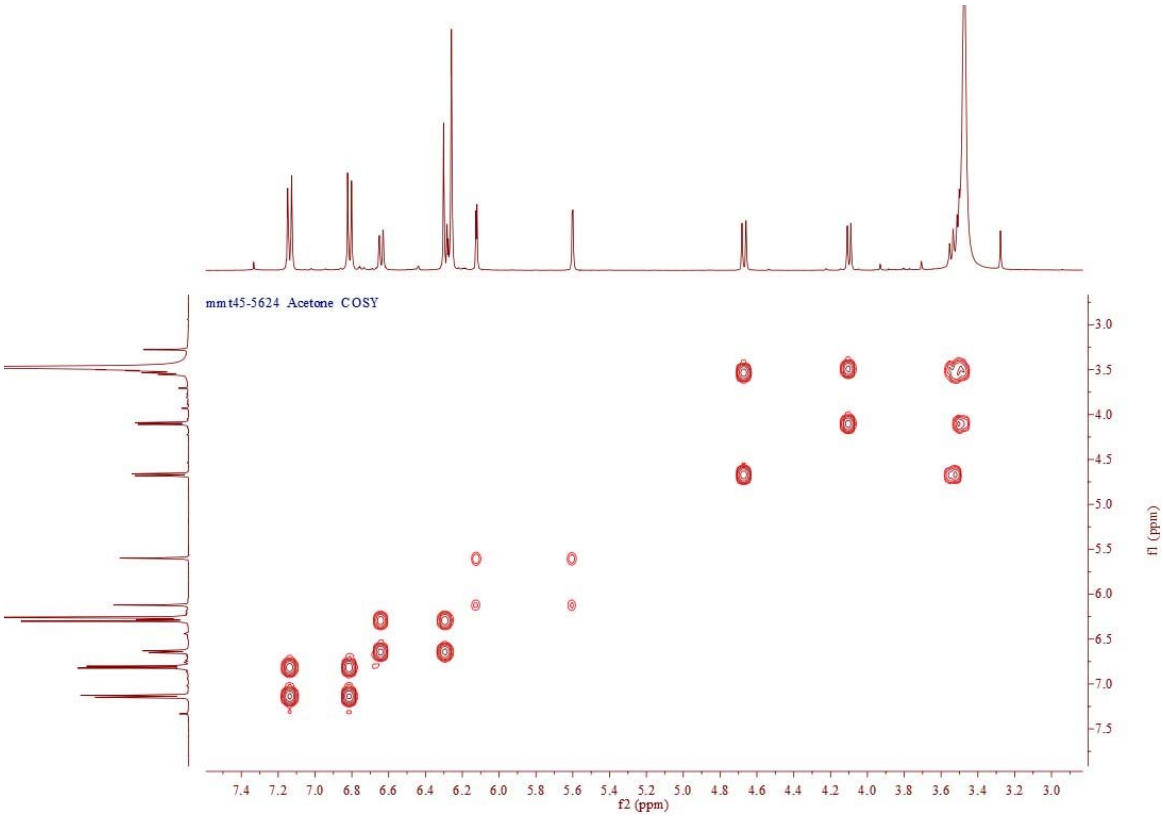


Figure S67. HSQC spectrum of **12** in acetone-d_6.

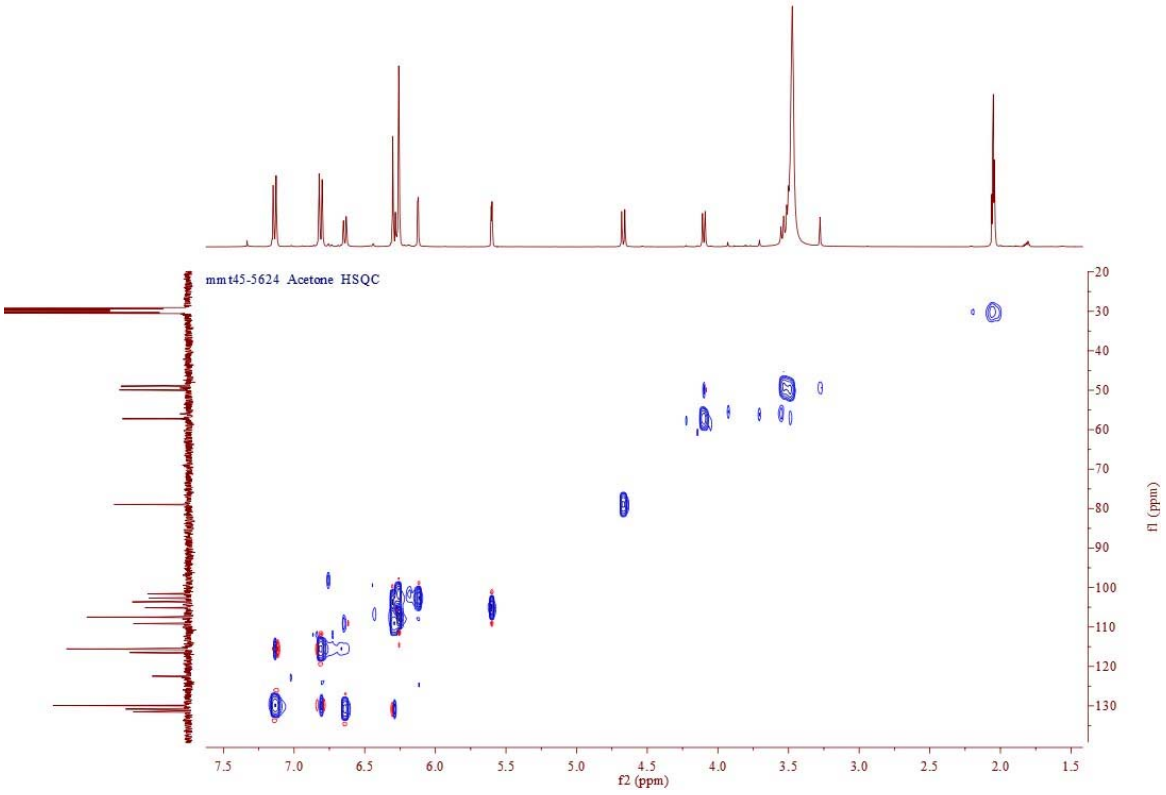


Figure S68. HMBC spectrum of **12** in acetone-d_6.

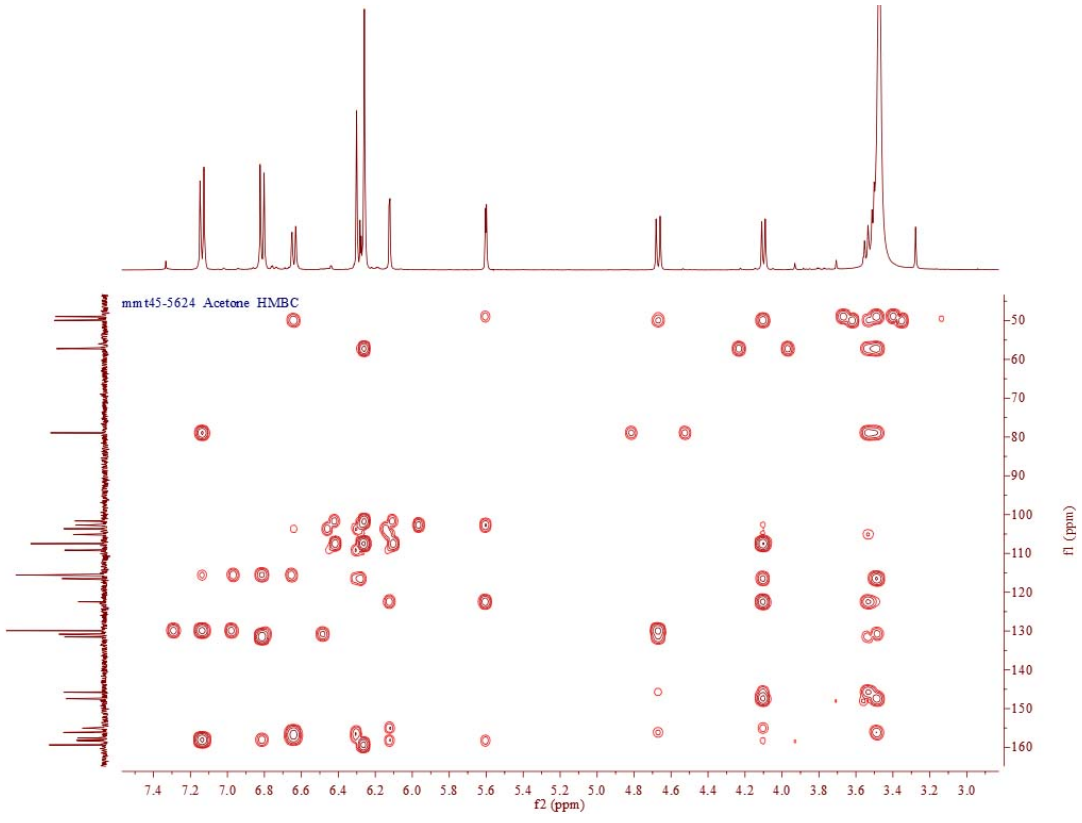


Figure S69. NOESY spectrum of **12** in acetone-d_6.

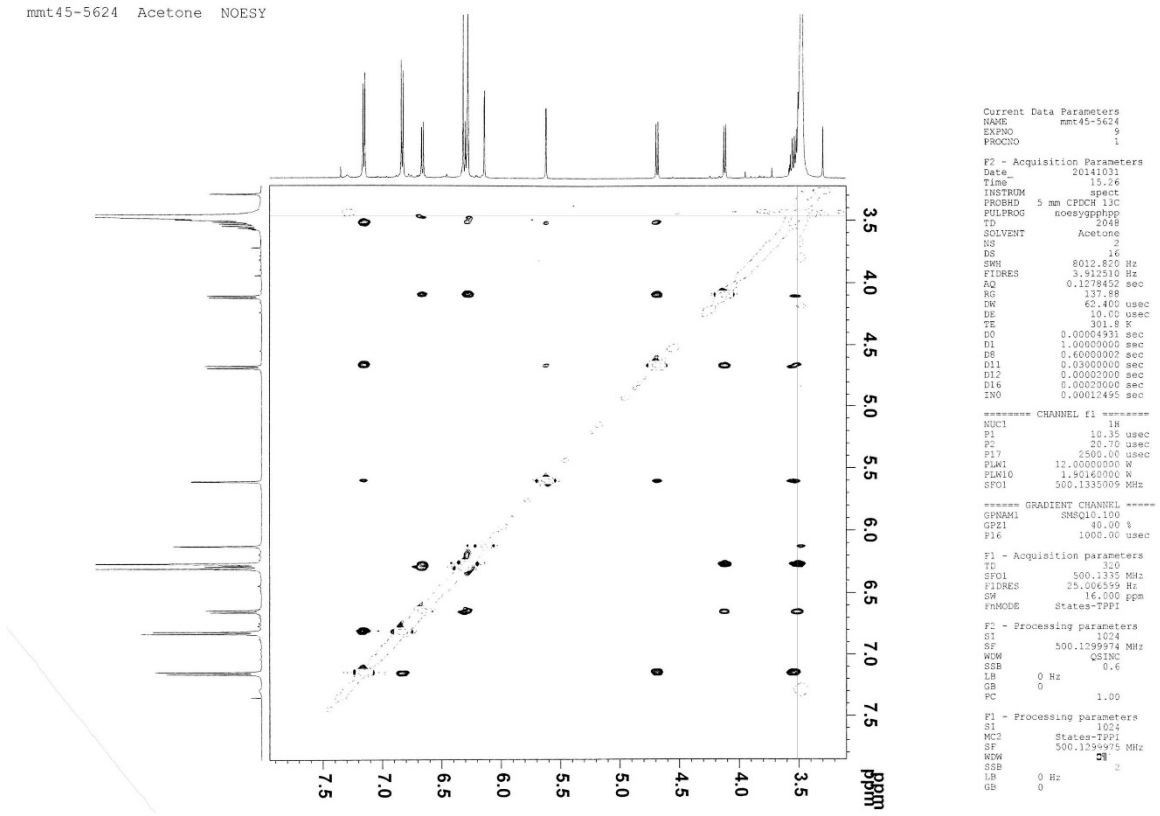
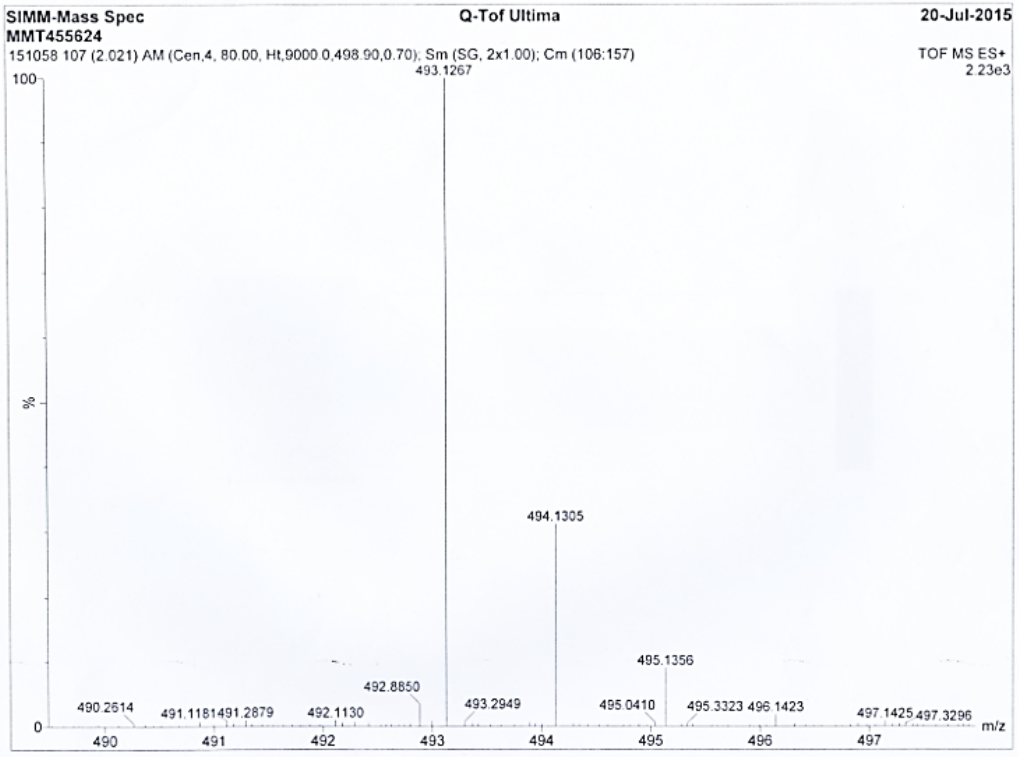


Figure S70. HRESIMS spectrum of **12**.



2'-Hydroxyampelopsin F (14)

Figure S71. IR spectrum of **14**.

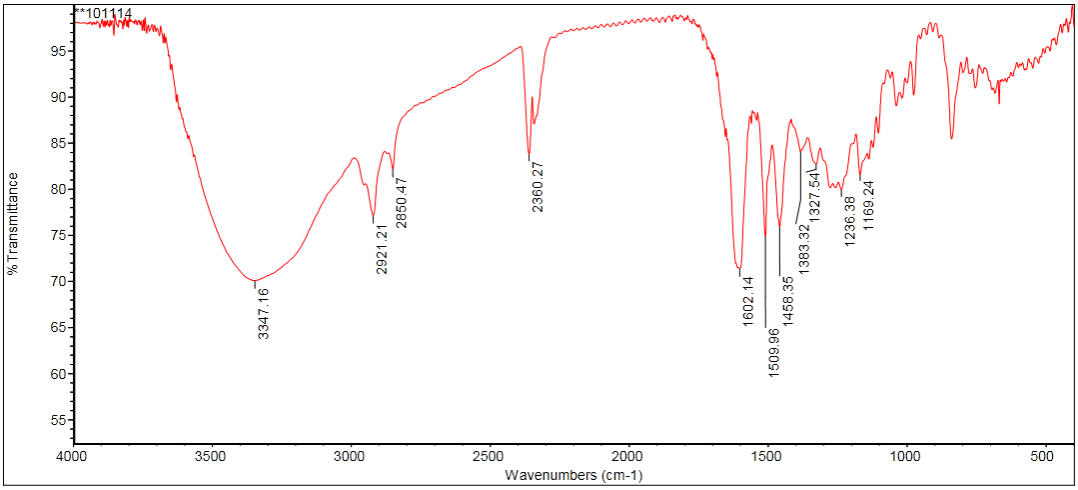


Figure S72. ^{1}H NMR spectrum of **14** in acetone-d_6.

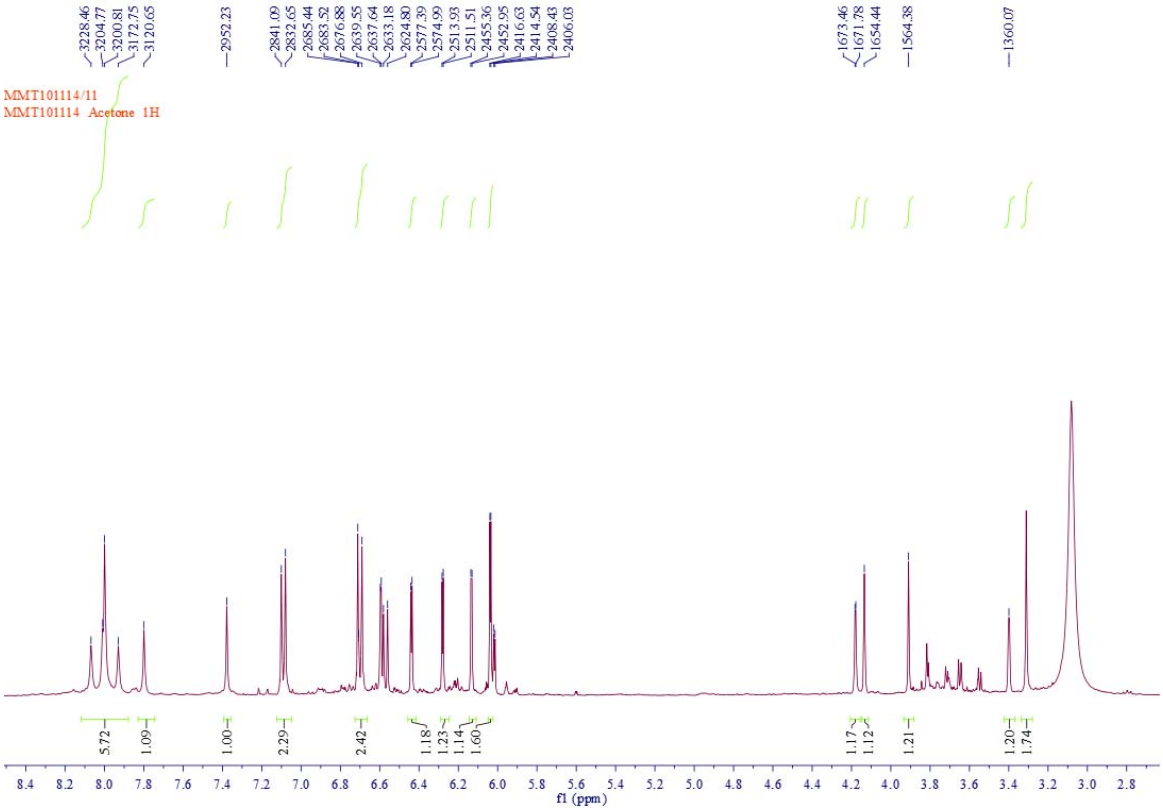


Figure S73. ^{13}C NMR spectrum of **14** in acetone-d_6.

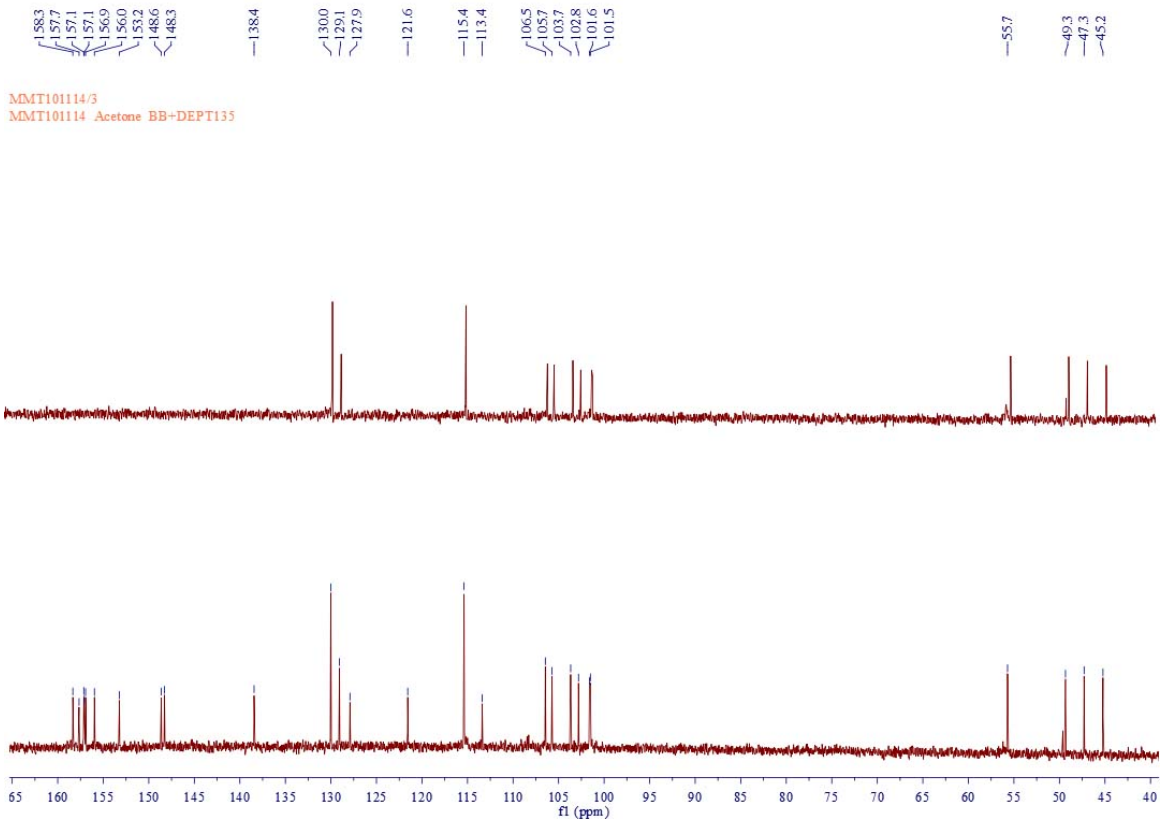


Figure S74. ^{1}H-^{1}H COSY spectrum of **14** in acetone-d_6.

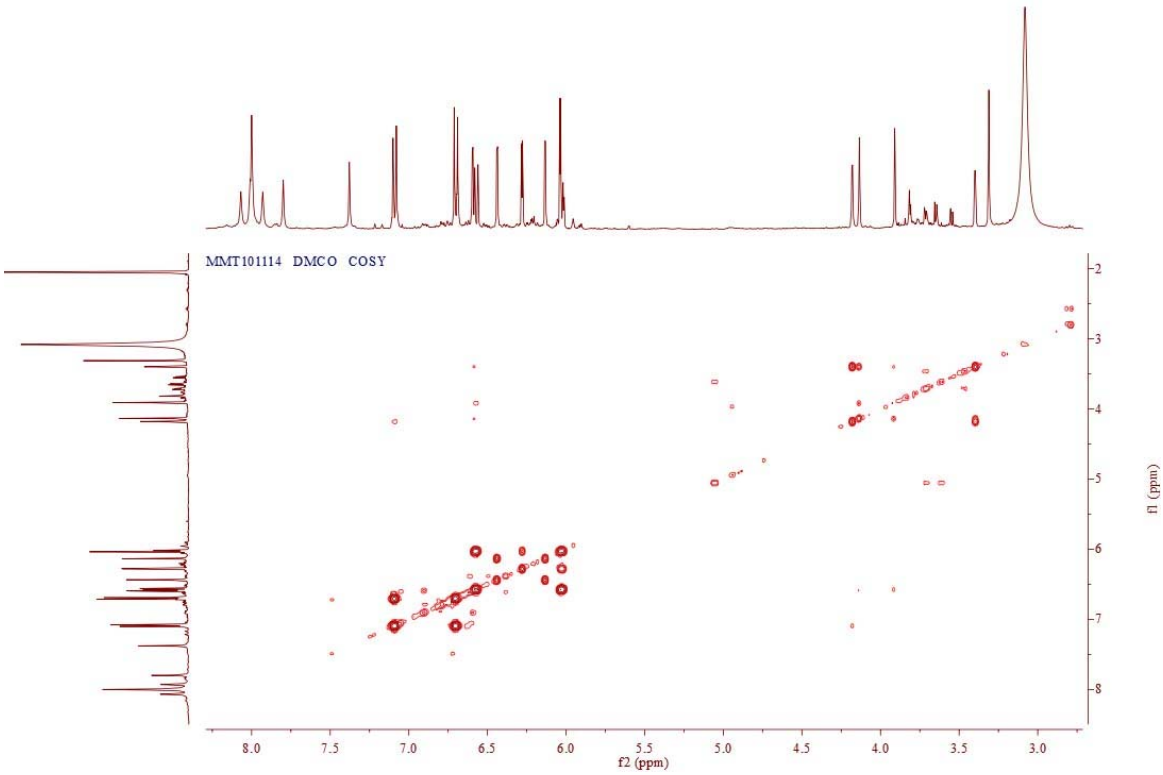


Figure S75. HSQC spectrum of **14** in acetone-d_6.

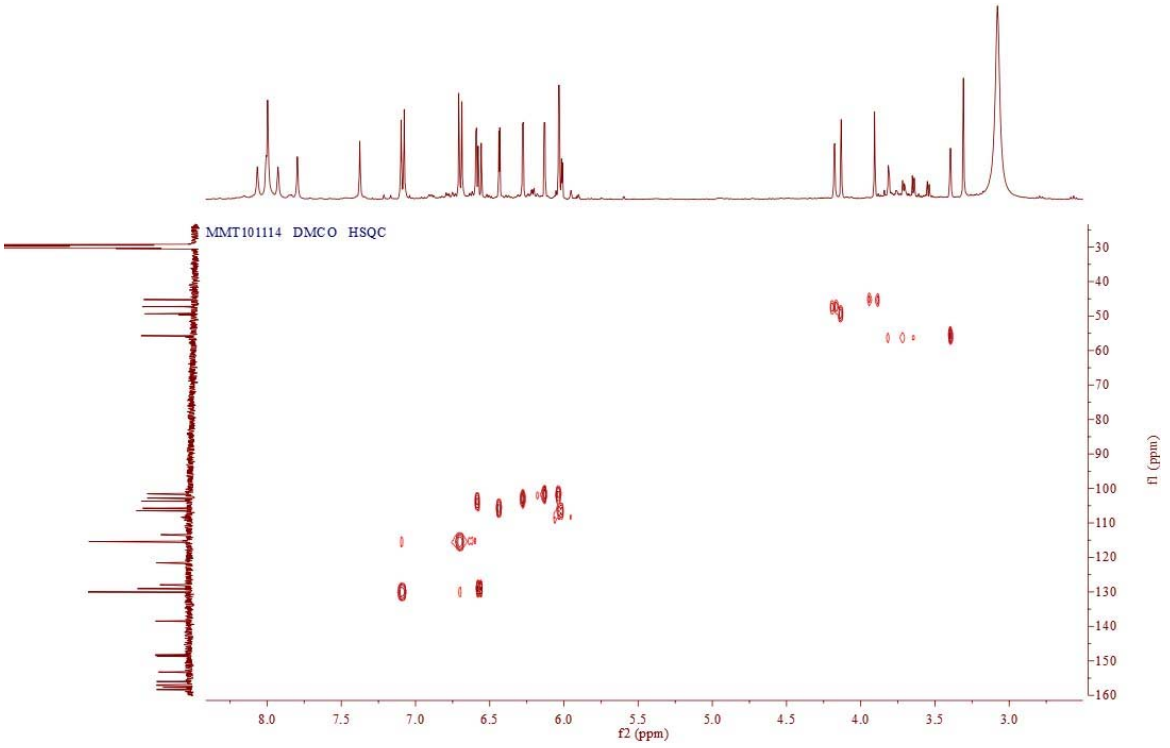


Figure S76. HMBC spectrum of **14** in acetone-d_6.

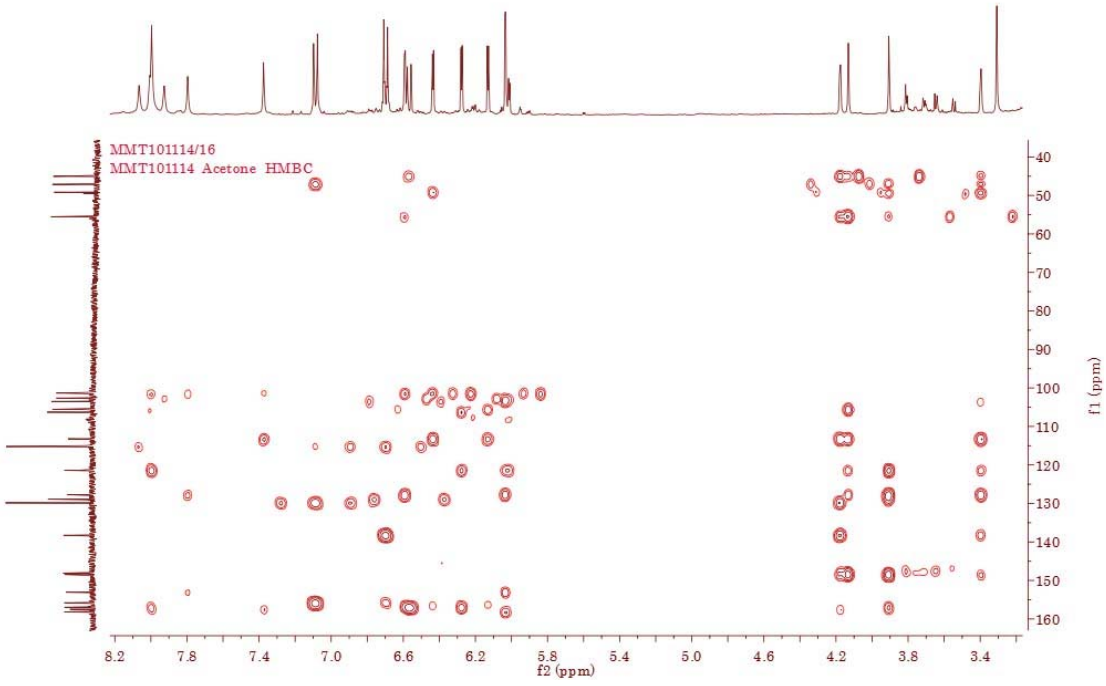


Figure S77. NOESY spectrum of **14** in acetone-d_6.

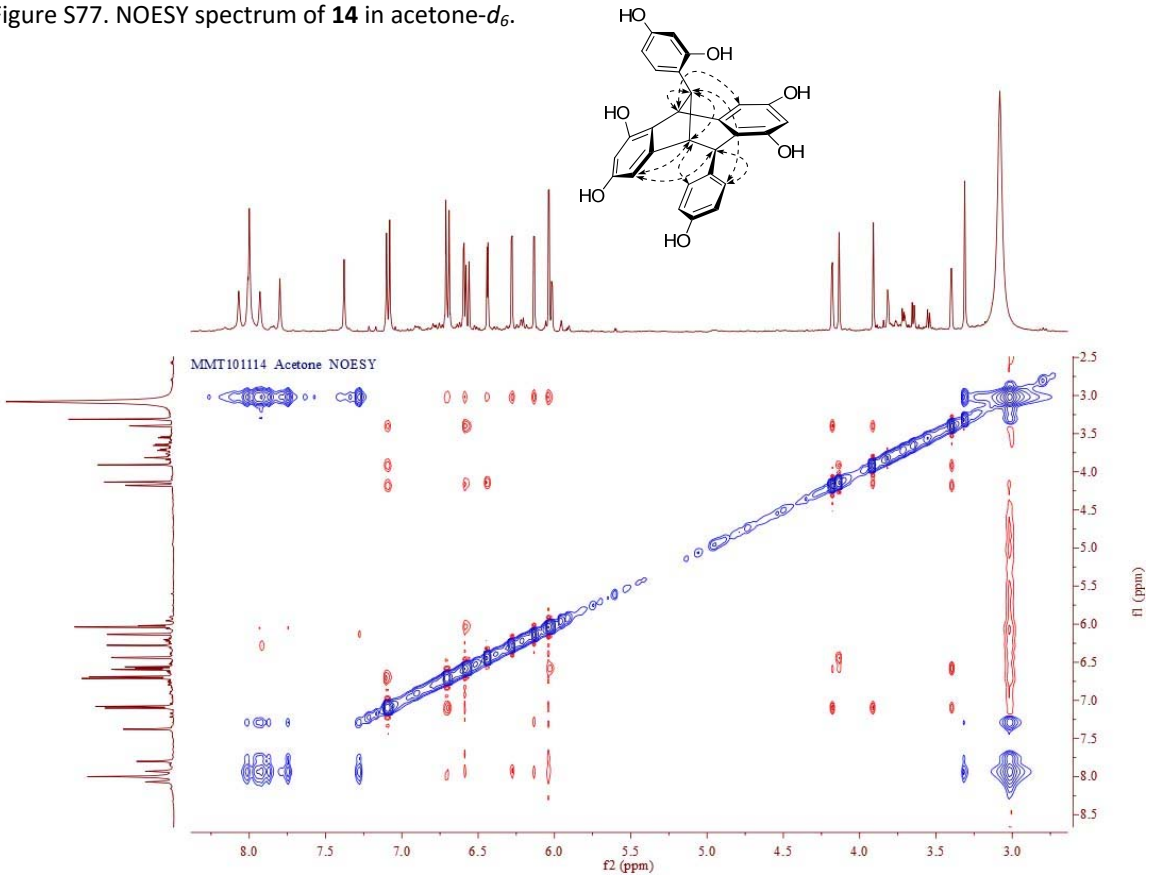


Figure S78. HRESIMS spectrum of **14**.