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β-D-GALACTOPYRANOSIDE *SECO*-PHYTOPORPHYRIN FROM *ATROPA BELLADONNA* AND *SOLANUM TUBEROSUM* YELLOW LEAVES DETERMINED BY NUCLEAR MAGNETIC RESONANCE

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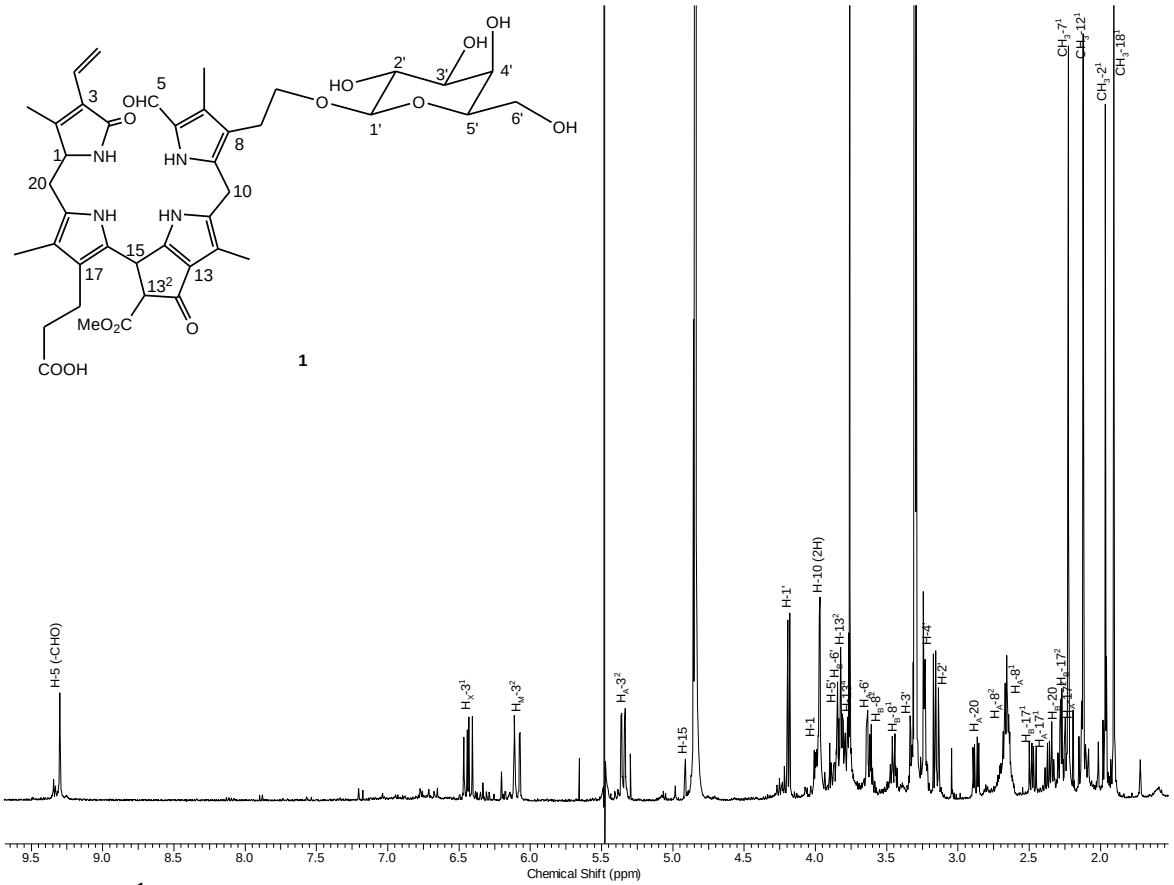

Figure S1. ^{1}H NMR spectrum (500 MHz) of *A. bellladonne* chlorophyll catabolite 1 in CD_3OD.

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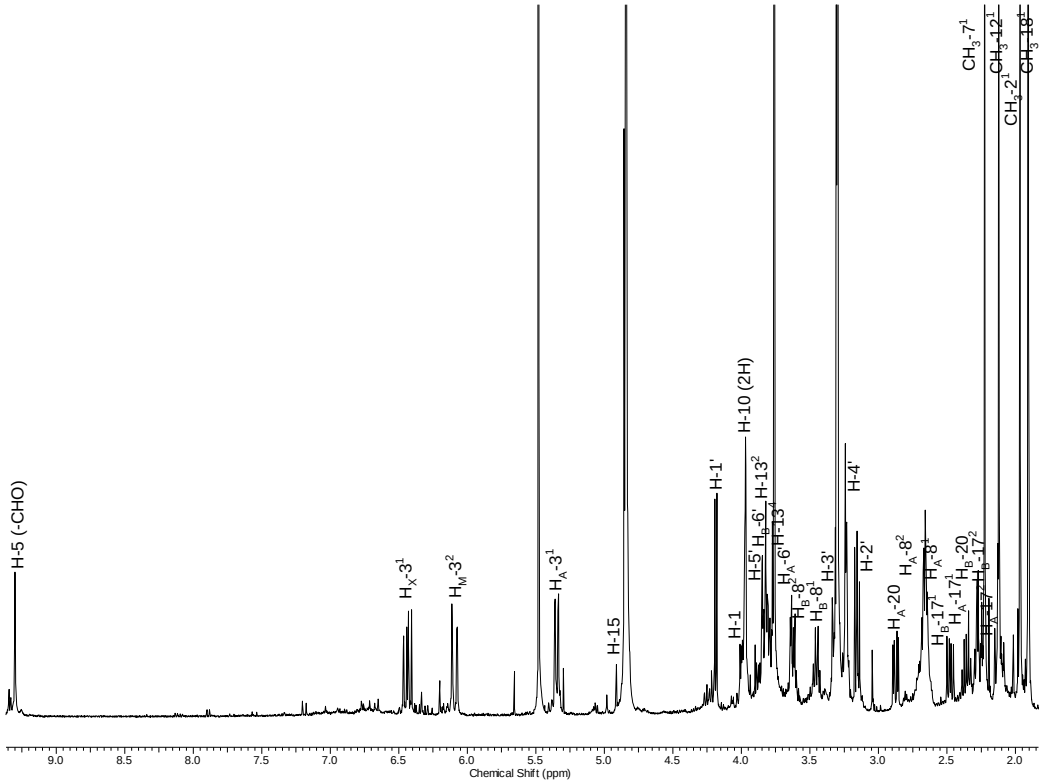

Figure S2. ^{1}H NMR spectrum (500 MHz) of *S. tuberosum* chlorophyll catabolite 1 in CD_3OD.

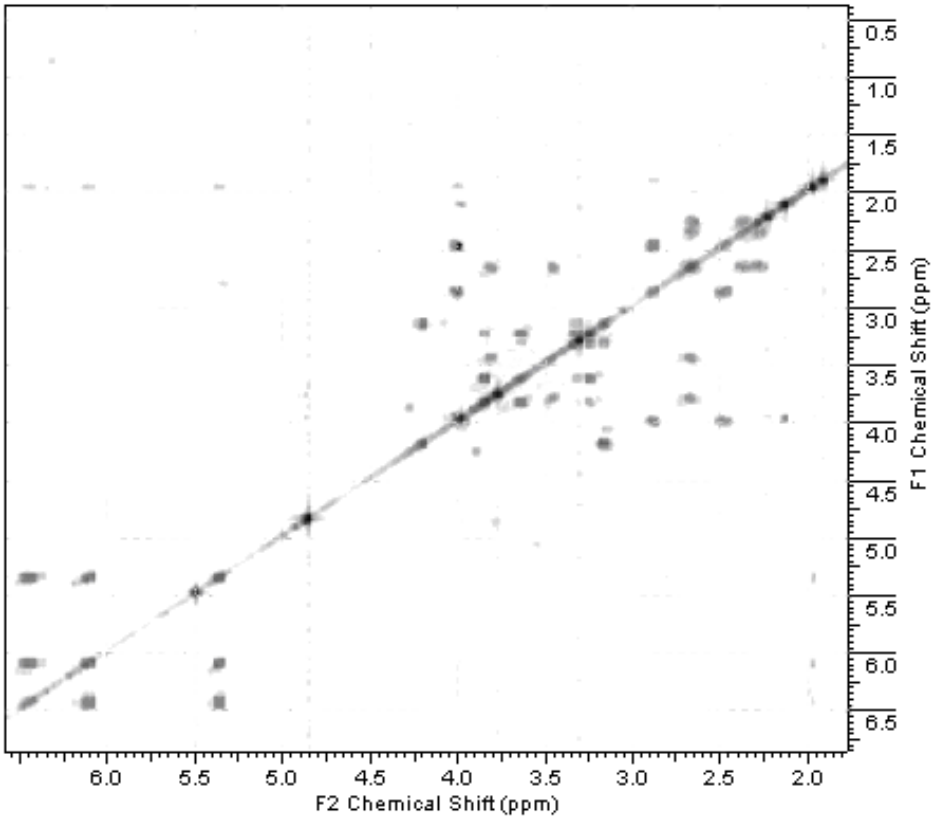

Figure S3. The COSY spectrum of 1.

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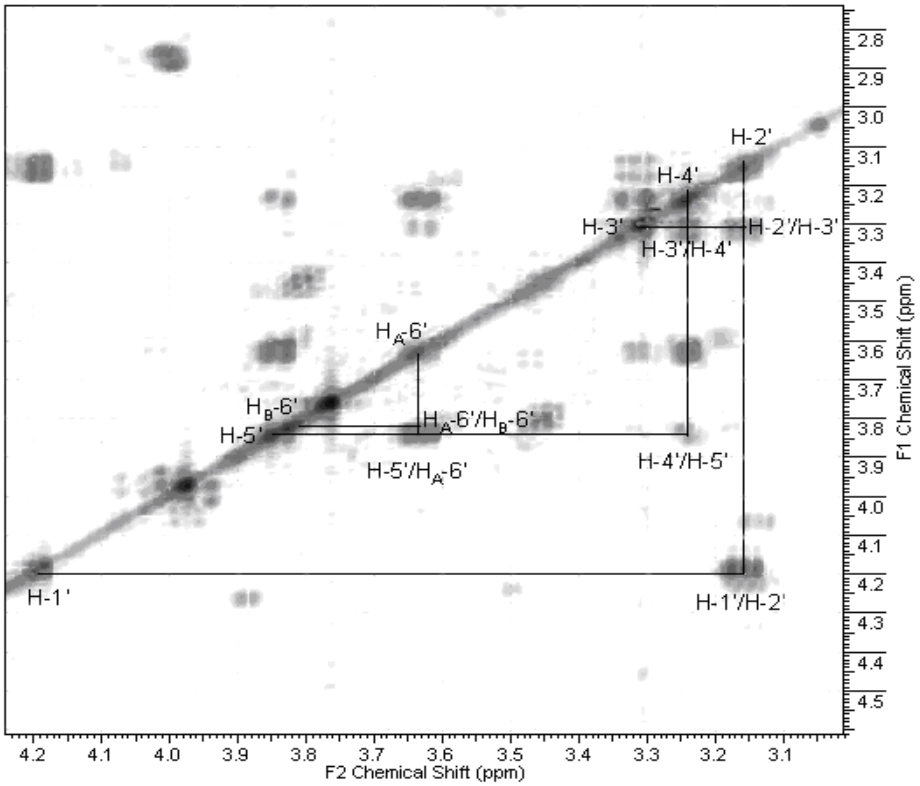

Figure S4. The COSY spectrum of 1 enlarged in the sugar unit.

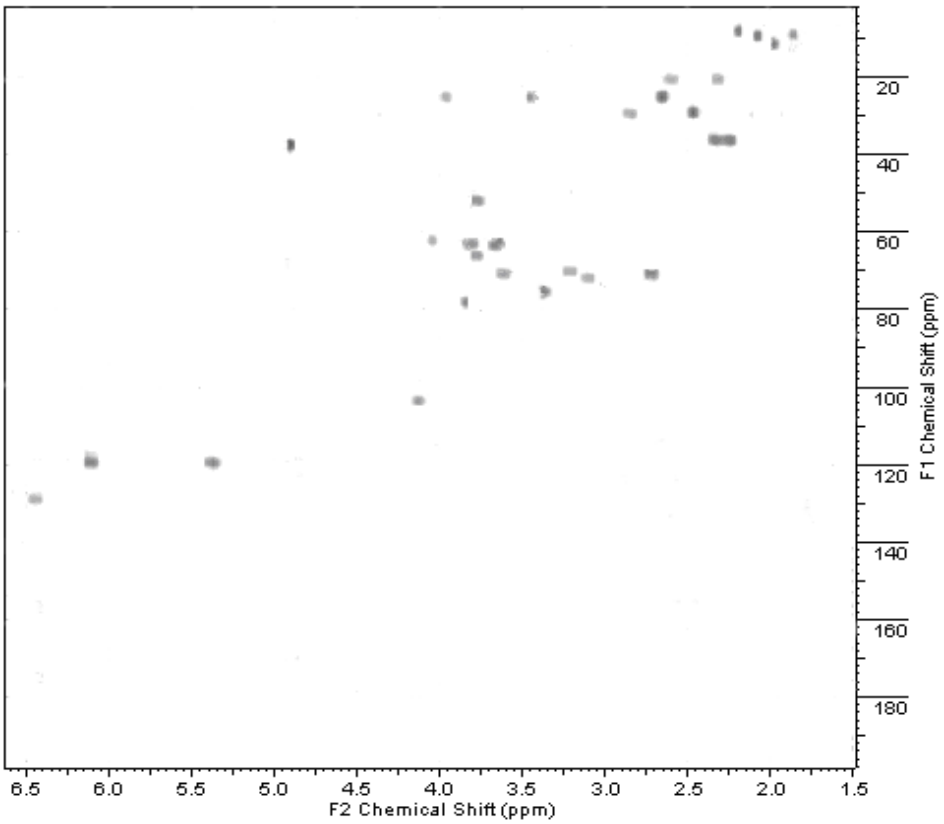

Figure S5. The HSQC spectrum of 1.

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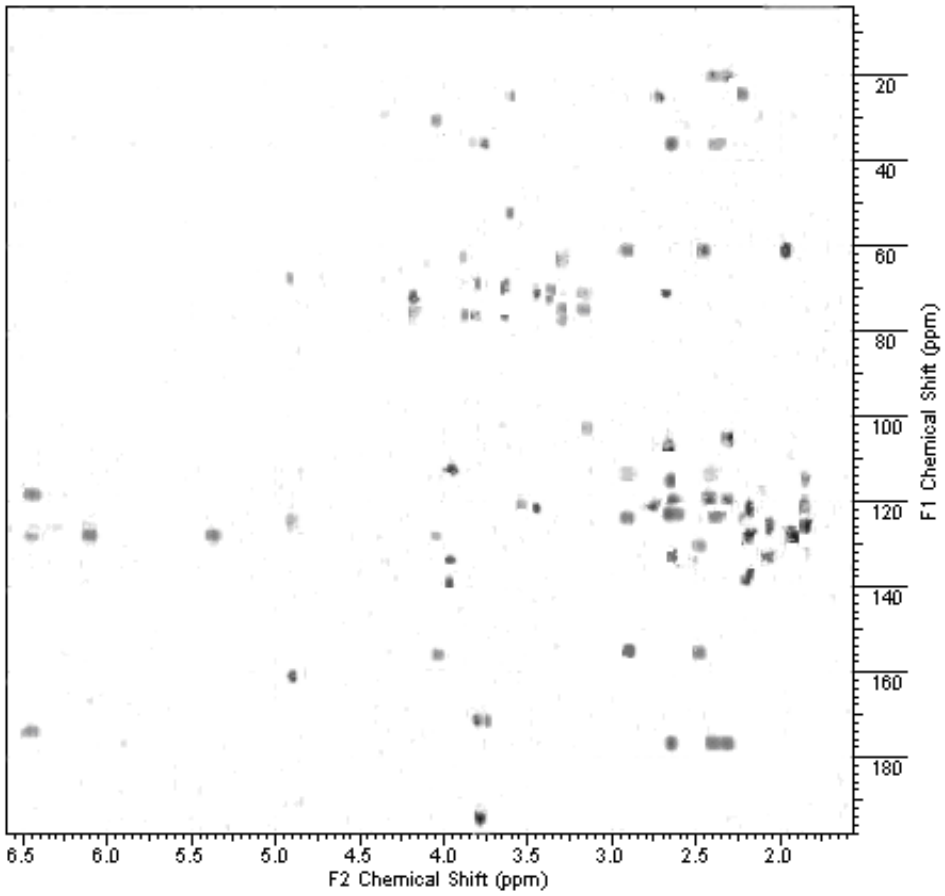

Figure S6. The HMBC spectrum of 1.

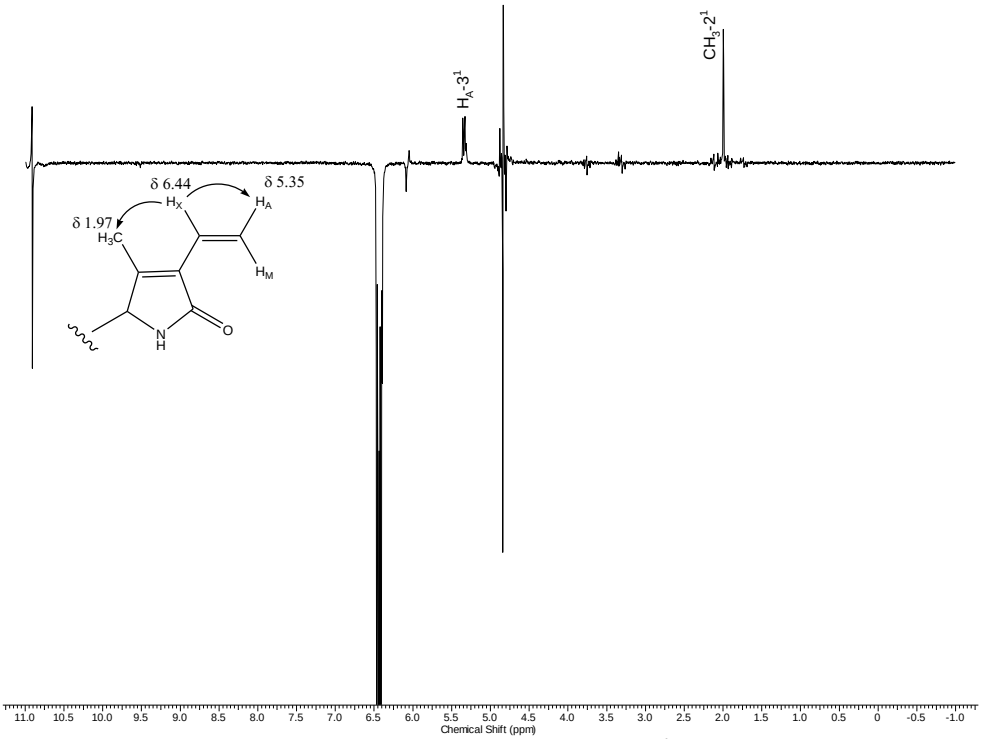

Figure S7. The NOE spectrum after H-3^1 irradiation.

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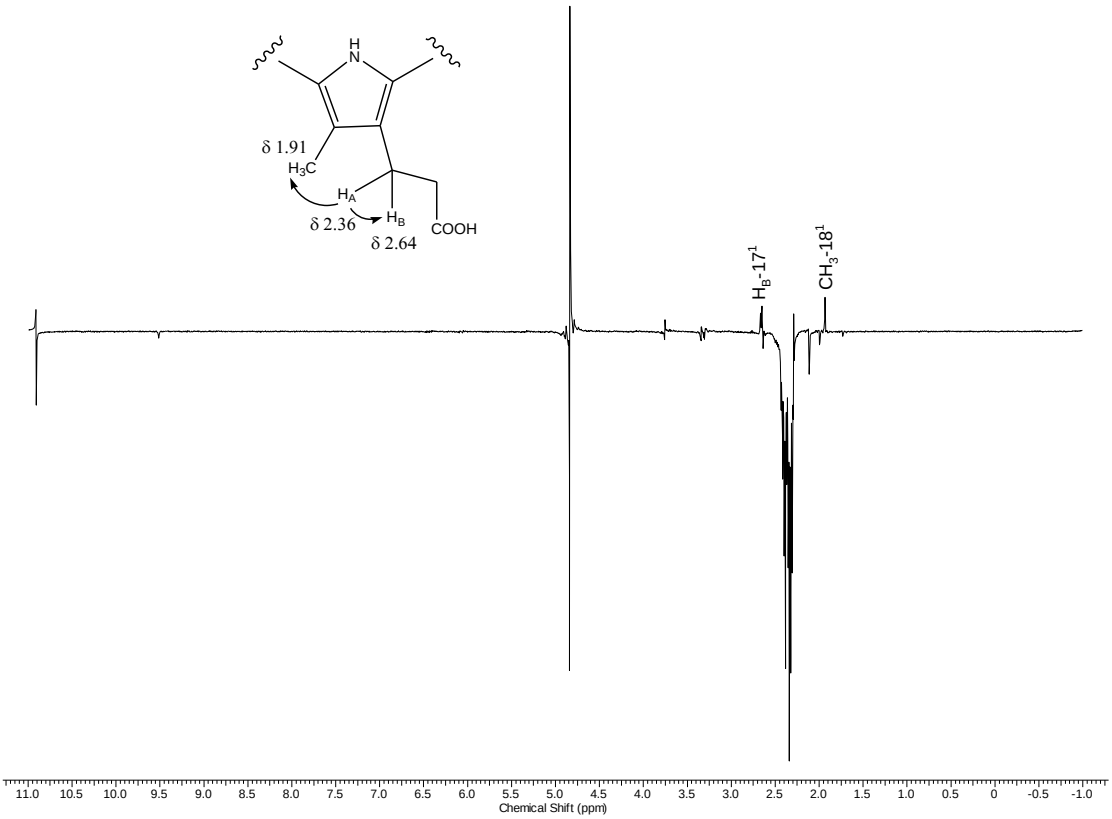

Figure S8. The NOE spectrum after H_A-17^1 irradiation.

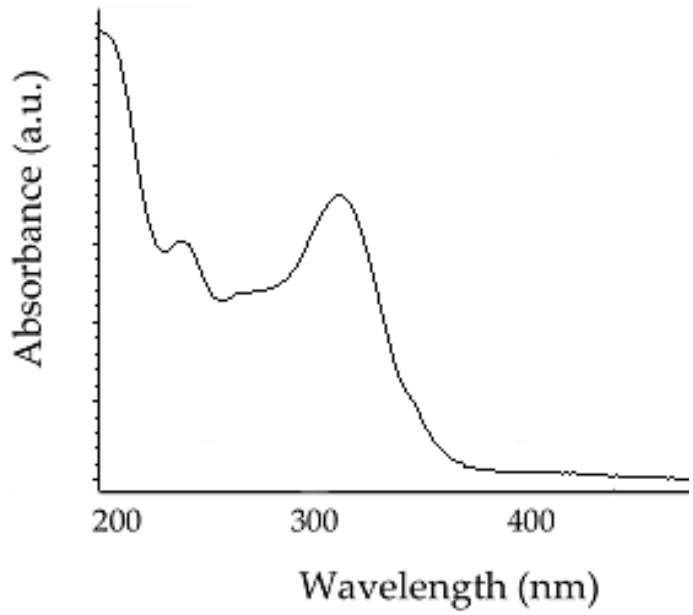

Figure S9. The UV-Vis spectrum of 1.

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Table S1

^{1}H- and ^{13}C- NMR spectral data for compound 1 (500 MHz, 125.75 MHz, CD_3OD).

Position	*A. belladonna* **1**		*S. tuberosum* **1**	
	δ_H, multiplicity, *J*(HZ)	δ_C	δ_H, multiplicity, *J*(HZ)	δ_C
1	4.01 *dd* (4.6, 8.4)	61.5	4.01 *dd* (4.6, 8.4)	61.5
2		156.0		156.0
2^1	1.97 *s*	12.5	1.97 *s*	12.5
3		128.7		128.7
3^1	6.44 *dd* (11.7, 17.7)	127.1	6.44 *dd* (11.7, 17.7)	127.1
3^2	5.35 *dd* (2.4, 11.7) H_A 6..09 *dd* (2.4, 17.7) H_M	119.0	5.35 *dd* (2.4, 11.7) H_A 6..09 *dd* (2.4, 17.7) H_M	119.0
4		174.5		174.5
5	9.30 *s*	178.0	9.30 *s*	178.0
6		129.1		129.1
7		135.2		135.2
7^1	2.23 *s*	8.7	2.23 *s*	8.7
8		121.1		121.1
8^1	2.67 *ddd* (1.8, 7.2, 12.9) H_A 3.45 *ddd* (2.2, 7.0, 12.9) H_B	24.9	2.67 *ddd* (1.8, 7.2, 12.8) H_A 3.45 *ddd* (2.2, 7.1, 12.9) H_B	24.9
8^2	2.70 *ddd* (2.2, 7.1, 11.5) H_A 3.62 *ddd* (1.9, 6.8, 11.9) H_B	70.3	2.70 *ddd* (2.2, 7.1, 11.5) H_A 3.62 *ddd* (1.9, 6.8, 11.9) H_B	70.3
9		139.2		139.2
10	3.97 *d* (2.6)	23.7	3.97 *d* (2.6)	23.7
11		133.8		133.8
12		112.9		112.9
12^1	2.12 *s*	9.2	2.12 *s*	9.2
13		125.7		125.7
13^1		194.8		194.8
13^2	3.78 *t* (2.3)	67.7	3.78 *t* (2.3)	67.7
13^3		171.5		171.5
13^4	3.76 *s*	52.6	3.76 *s*	52.6
14		161.0		161.0
15	4.91 *d* (2.4)	37.2	4.91 *d* (2.4)	37.2
16		125.1		125.1
17		120.2		120.2
17^1	2.36 *dd* (6.5, 14.4) H_A 2.64 *dd*(6.6, 14.5) H_B	20.8	2.36 *dd* (6.5, 14.4) H_A 2.64 *dd*(6.6, 14.5) H_B	20.8
17^2	2.26 *dd* (6.6, 13.3) H_A 2.29 *dd* (6.6, 13.0) H_B	37.2	2.26 *dd* (6.8, 13.3) H_A 2.29 *dd* (6.6, 13.0) H_B	37.2
17^3		177.9		177.9
18		114.7		114.7

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Position	*A. belladonna* ***1***		*S. tuberosum* ***1***	
	δ_H, multiplicity, *J*(HZ)	δ_C	δ_H, multiplicity, *J*(HZ)	δ_C
18[1]	1.91 *s*	9.0	1.91 *s*	9.0
19		124.7		124.7
20	2.87 *dd* (5.0, 14.7) H_A 2.47 *dd* (9.0, 14.5) H_B	29.7	2.87 *dd* (5.0, 14.7) H_A 2.47 *dd* (9.0, 14.5) H_B	29.7
1′	4.19 *d* (7.8)	103.6	4.19 *d* (7.8)	103.6
2′	3.16 *dd* (7.8, 9.2)	72.0	3.16 *dd* (7.8, 9.2)	72.0
3′	3.33 *dt* (9.5, 4.1)	75.0	3.33 *dt* (9.3, 4.0)	75.0
4′	3.24 *dd* (4.0, 4.5)	70.2	3.24 *dd* (4.2, 4.6)	70.2
5′	3.85 *ddd* (4.4, 2.4, 6.6)	78.0	3.85 *ddd* (4.6, 2.6, 6.7)	78.0
6′	3.64 *dd* (2.6, 11.9) H_A 3.80 *dd* (6.8, 11.9) H_B	62.5	3.64 *dd* (2.7, 11.9) H_A 3.80 *dd* (6.8, 11.9) H_B	62.5