Supporting Information

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Pigment pattern of the Chilean mushroom *Dermocybe nahuelbutensis* Garrido & E. Horak

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Table S1: NMR spectroscopic data of 7,7'-emodinphyscion (**1**).

Pos.	δ_C[a,b]	δ_H[a,c] (J in Hz)	HMBC[d]	NOE[e]
1	161.46			
2	124.24	7.28 (br s-like)	1, 3, 4, 9[k], 9a	3-Me
3	148.61			
4	120.65	7.64 (br s-like)	1[k], 2, 3, 9[k], 9a, 10	3-Me
4a	132.91[f]			
5	103.04	7.53 (br s)	6, 7, 8[k], 8a, 9[k], 10, 10a	6-OMe
6	163.97			
7	115.54[g]			
8	161.22			
8a	110.37[g]			
9	190.46			
9a	113.69			
10	181.25			
10a	134.53			
3-Me	21.53[h]	2.513 (s)	2, 3, 4	2, 4
6-OMe	56.53	3.997 (s)	6	5
1`	161.32			
2`	124.04	7.24 (br s-like)	1` , 3` , 4` , 9a`	3` -Me
3`	147.84			
4`	120.34	7.58 (br s-like)	1[k], 2` , 3` , 9a` , 10`	3` -Me
4a`	132.85[f]			
5`	n.d.	7.34 (very br s)	7` , 8a` , 10`	
6`	n.d.			
7`	112.63[i]			
8`	162.37			
8a`	107.80[i]			
9`	n.d.			
9a`	113.49			
10`	181.64			
10a`	134.14			
3` -Me	21.49[h]	2.492 (s)	2` , 3` , 4`	2` , 4`
OH[m]		12.50 (br s); 12.18 (br s); 11.99 (br s)		

[a] Measured in DMSO-*d6*, tetrametylsilane (TMS) (δ = 0 ppm, ^{1}H) and DMSO-*d6* (TMS) (δ = 39.5 ppm, ^{13}C) were used as internal standards.
[b] 150 MHz.
[c] 600 MHz.
[d] Correlation of H to C.
[e] Correlation to H; mixing time 0.4 s.
[f, g, h, i] Chemical shifts marked with same letter can be interchanged.
[k] Weak HMBC correlation via $^4J_{CH}$.
[m] Only three of five OH signals detected. Assignment due to lack of HMBC correlations not possible.
n.d. Not detected.

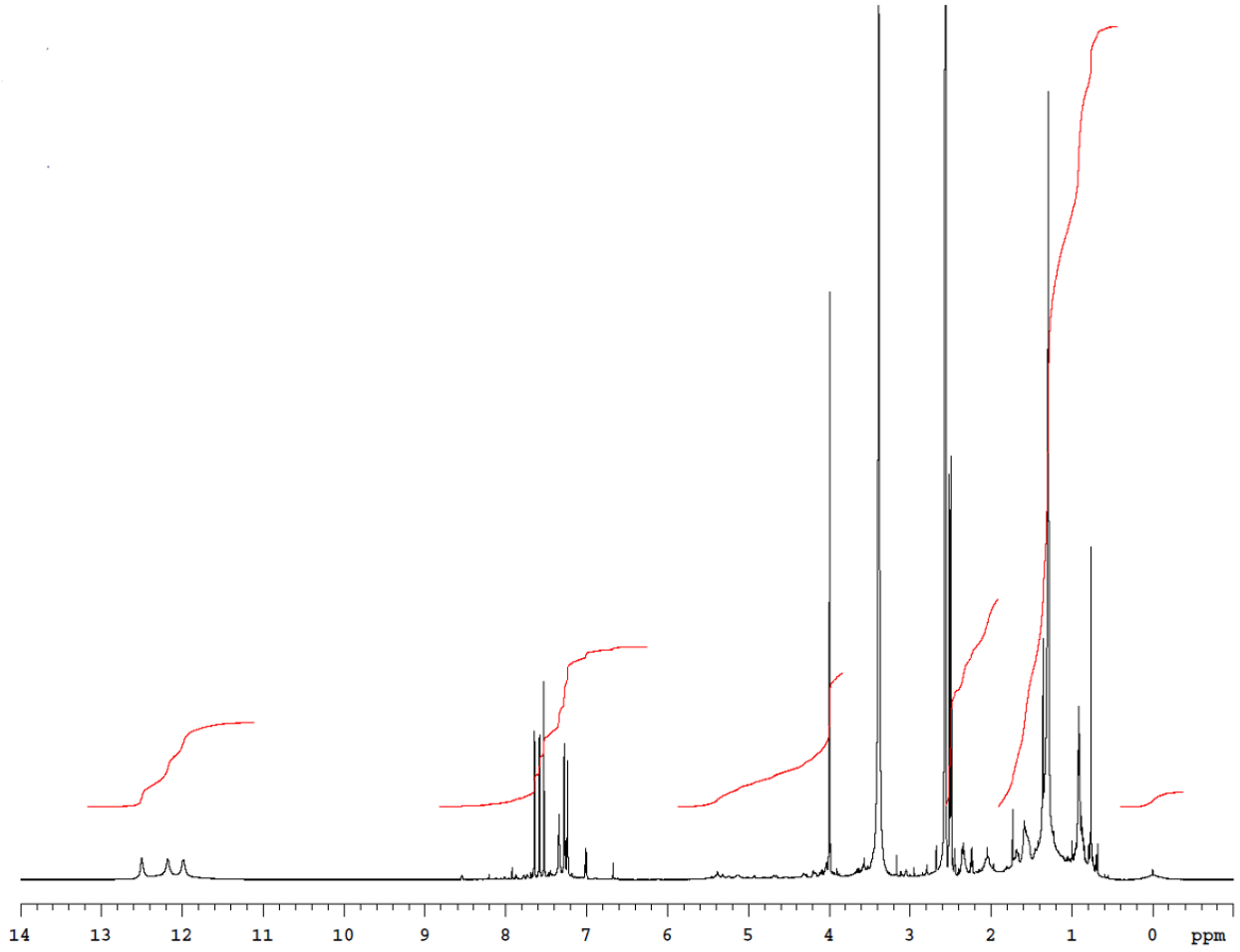

Figure S1: ^{1}H NMR spectrum of 7,7'-emodinphyscion (**1**) (600 MHz, DMSO-*d6*, 25 °C).

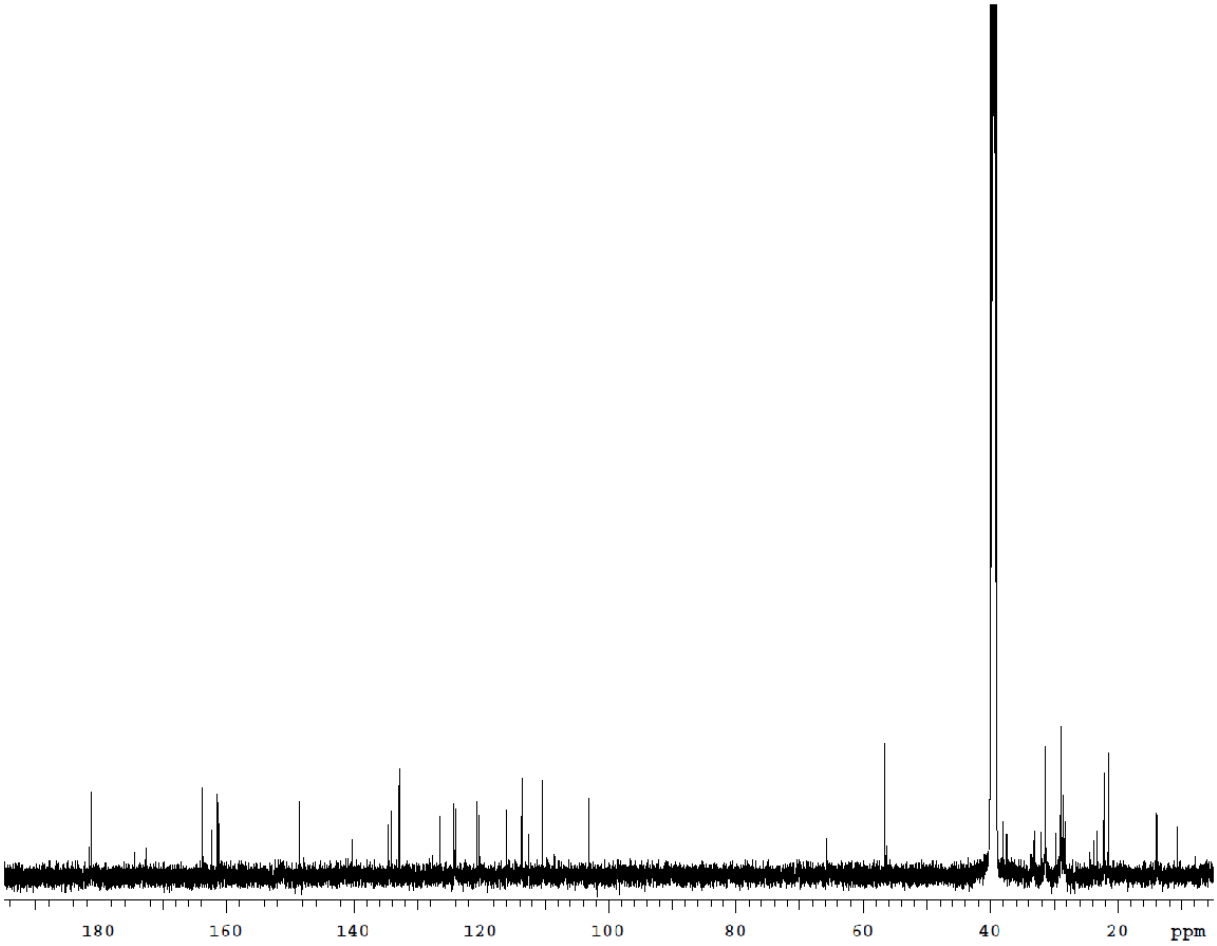

Figure S2: ^{13}C NMR spectrum of 7,7'-emodinphyscion (**1**) (150 MHz, DMSO-*d6*, 25 °C).

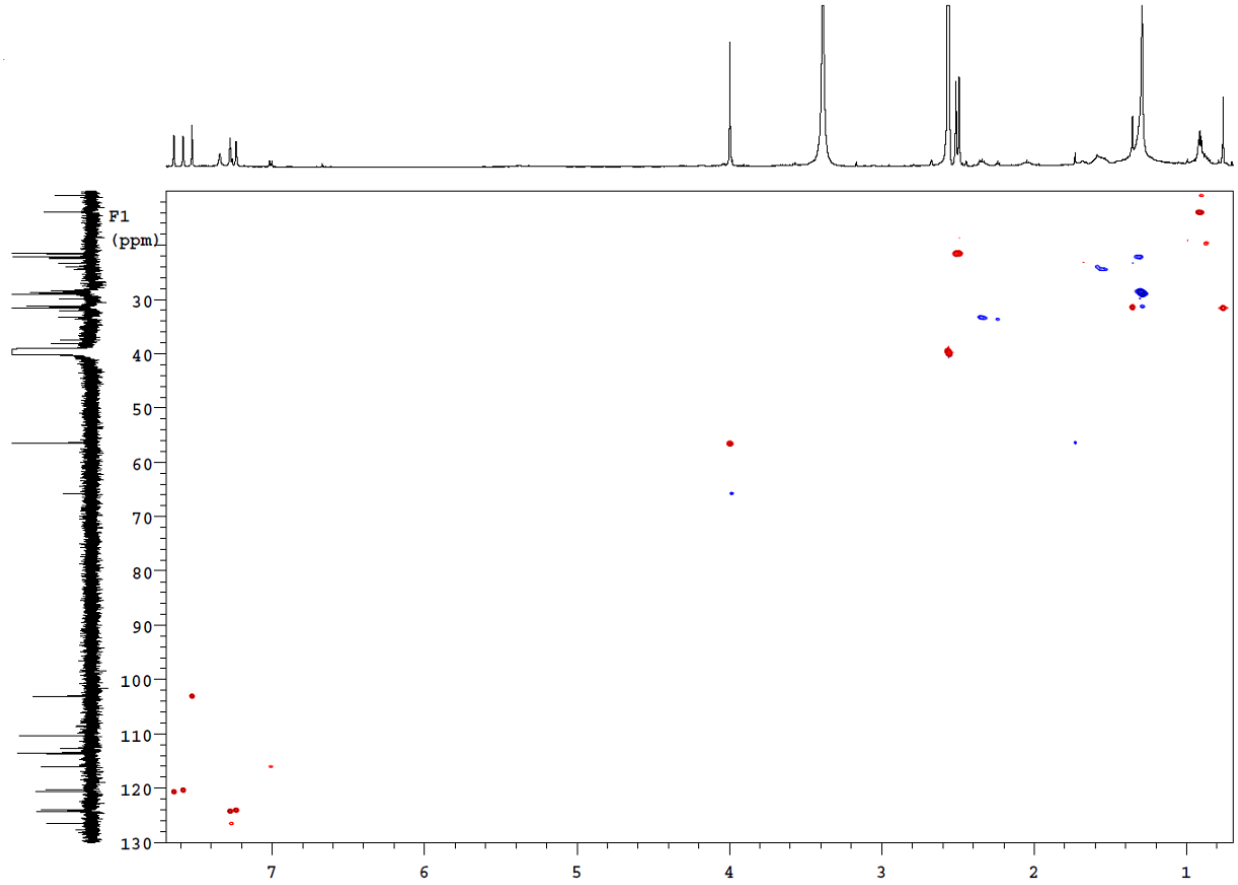

Figure S3: $^{1}H,^{13}C$ HSQC spectrum of 7,7'-emodinphyscion (**1**) (600 MHz, DMSO-*d6*, 25 °C).

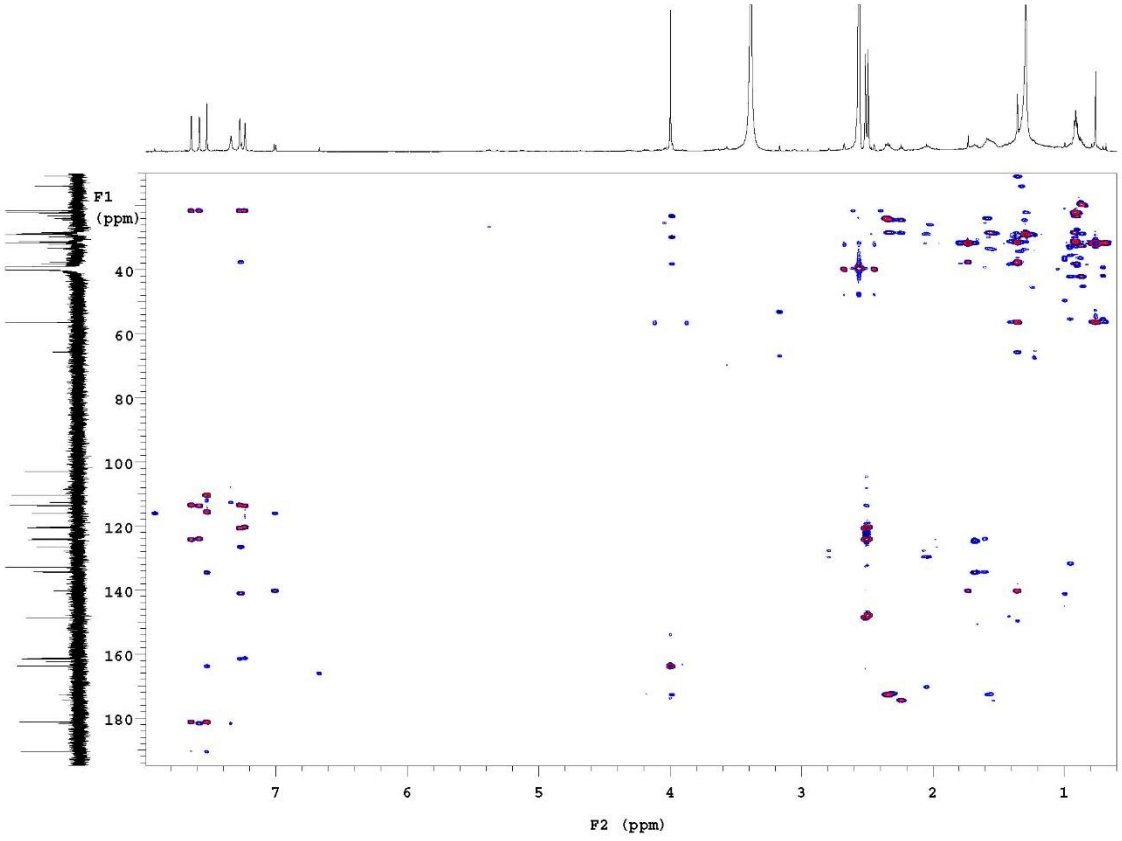

Figure S4: $^{1}H,^{13}C$ HMBC spectrum of 7,7'-emodinphyscion (**1**) (600 MHz, DMSO-*d6*, 25 °C).

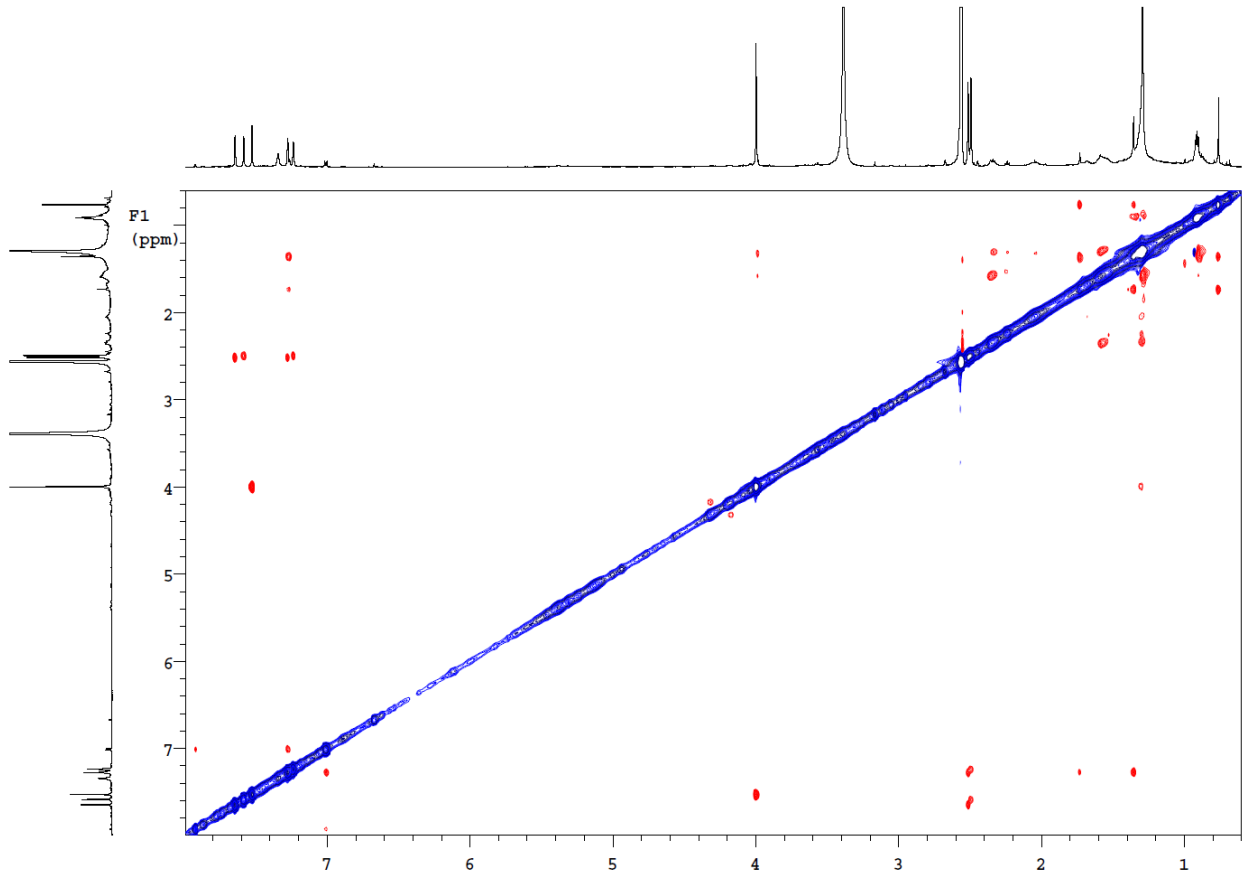

Figure S5: ^{1}H,^{1}H ROESY spectrum of 7,7'-emodinphyscion (**1**) (600 MHz, DMSO-*d6*, 25 °C, mixing time 0.4 s).

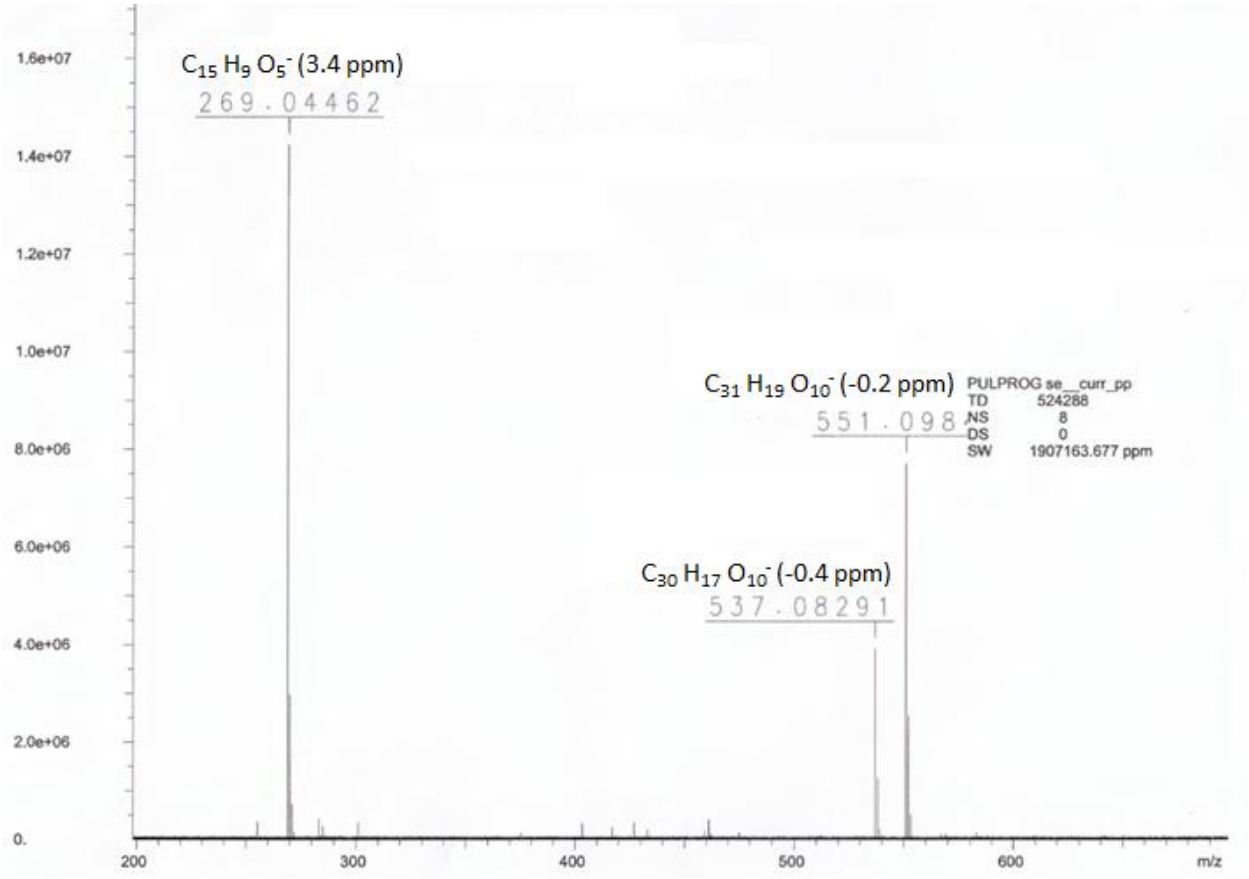

Figure S6 : Negative ion HR-ESI-MS spectrum of 7,7'-emodinphyscion (**1**).