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Material Suplementar

FLAVONOIDES E TERPENOIDES DE *Croton muscicarpa* (Euphorbiaceae)

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Tabela 1S. Dados de RMN ^{13}C dos flavonoides isolados de *C. muscicarpa*

C	δ_C							
	3[a]	4[b]	5[c]	6[a]	8[d]	9[a]	10[a]	13[a]
2	156,0	156,2	147,9	156,2	148,2	155,6	156,2	156,1
3	139,2	139,2	138,7	139,1	137,3	139,0	138,9	139,0
4	178,9	179,1	177,6	179,0	177,5	179,0	179,1	179,1
5	162,2	162,3	162,0	162,3	162,7	152,7	153,0	152,5
6	98,0	98,1	98,3	98,1	99,4	132,2	132,5	132,5
7	165,6	165,7	165,9	165,7	165,7	158,8	159,0	159,0
8	92,4	92,4	92,3	92,4	94,6	90,3	90,5	90,5
9	157,0	157,0	157,2	157,0	158,4	152,3	152,5	153,0
10	106,2	106,4	105,6	106,3	104,7	106,6	106,8	106,8
1’	123,1	123,1	125,5	122,7	123,9	123,6	123,0	123,1
2’	111,5	130,4	116,5	111,2	130,9	114,3	130,3	111,5
3’	149,0	114,3	146,2	146,6	115,7	145,6	114,3	149,0
4’	151,6	162,0	150,6	148,6	160,7	148,7	161,9	151,6
5’	111,1	114,3	112,4	114,8	115,7	110,4	114,3	111,1
6’	122,4	130,4	120,8	122,9	130,9	121,6	130,3	122,4
3-OMe	60,4	60,4		60,0		60,1	60,3	60,4
6-OMe						60,9	61,0	61,1
7-OMe	56,0	56,0	56,2	56,1		56,3	56,5	56,2
3’-OMe	56,3			56,4				56,5
4’-OMe	56,2	55,7	56,1			56,0	55,6	56,3

[a] 125 MHz, $CDCl_3$; [b] 75 MHz, $CDCl_3$; [c] 125 MHz, C_5D_5N; [d] 125 MHz, CD_3OD.

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Tabela 2S. Dados de RMN ^{1}H dos flavonoides **3** a **6** isolados de *C. muscicarpa*

C	3[a]	4[b]	5[c]	6[a]
6	6,34 *d* (1,9)	6,36 *d* (2,2)	6,56 *d* (2,0)	6,37 *d* (2,1)
8	6,43 *d* (1,9)	6,45 *d* (2,2)	6,61 *d* (2,0)	6,45 *d* (2,1)
2’	7,68 *d* (1,6)	8,08 *d* (9,1)	8,50 *d* (2,0)	7,71 *d* (1,8)
3’		7,03 *d* (9,1)		
5’	6,98 *d* (8,6)	7,03 *d* (9,1)	7,17 *d* (8,6)	7,05 *d* (8,4)
6’	7,72 *dd* (8,6; 1,6)	8,08 *d* (9,1)	8,15 *dd* (8,6; 2,0)	7,68 *dd* (8,4; 1,8)
3-OMe	3,86 *s*	3,87 *s*		3,87 *s*
7-OMe	3,87 *s*	3,88 *s*	3,78 *s*	3,88 *s*
3’-OMe	3,96 *s*			3,99 *s*
4’-OMe	3,97 *s*	3,91 *s*	3,85 *s*	
5-OH		12,67 *bl*	13,13 *bl*	12,63 *bl*

[a] 500 MHz, $CDCl_3$; [b] 300 MHz, $CDCl_3$; [c] 500 MHz, C_5D_5N.

Tabela 3S. Dados de RMN ^{1}H dos flavonoides **8** a **10** e **13** isolados de *C. muscicarpa*

C	8[d]	9[a]	10[a]	13[a]
6	6,17 *d* (2,0)			
8	6,39 *d* (2,0)	6,52 *s*	6,50 *s*	6,50 *s*
2’	8,09 *d* (9,0)	7,69 *d* (2,0)	8,06 *d* (9,0)	7,68 *d* (1,8)
3’	6,90 *d* (9,0)		7,02 *d* (9,0)	
5’	6,90 *d* (9,0)	6,98 *d* (8,5)	7,02 *d* (9,0)	6,99 *d* (8,5)
6’	8,10 *d* (9,0)	7,74 *dd* (8,5; 2,0)	8,06 *d* (9,0)	7,73 *dd* (8,5; 1,8)
3-OMe		3,87 *s*	3,86 *s*	3,86 *s*
6-OMe		3,91 *s*	3,90 *s*	3,92 *s*
7-OMe		3,93 *s*	3,92 *s*	3,96 *s*
3’-OMe				3,96 *s*
4’-OMe		4,00 *s*	3,96 *s*	3,96 *s*
5-OH				12,60 *s*

[a] 500 MHz, $CDCl_3$; [d] 500 MHz, CD_3OD.

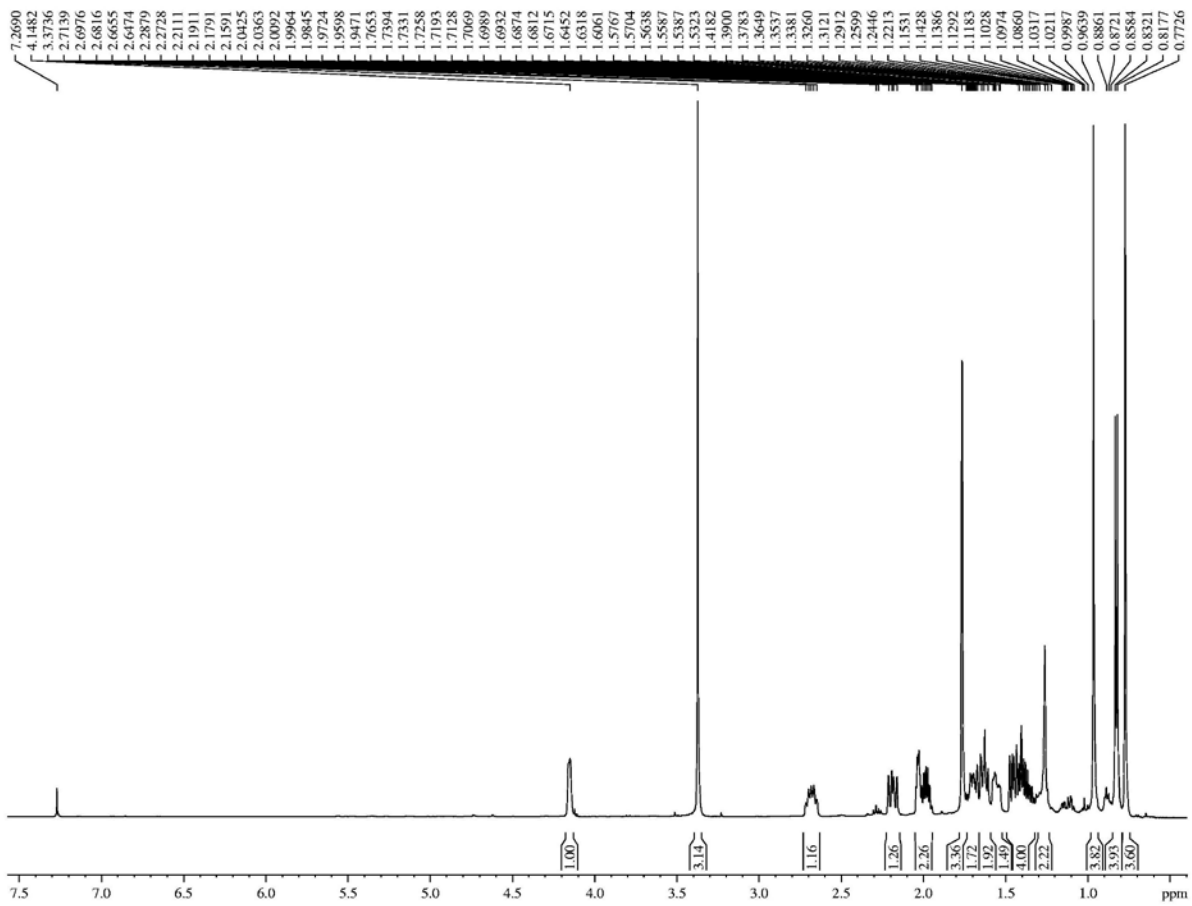

Figura 1S. *Espectro de RMN ^{1}H do 6α-metoxi-cipereno (**1**) (500 MHz, $CDCl_3$)*

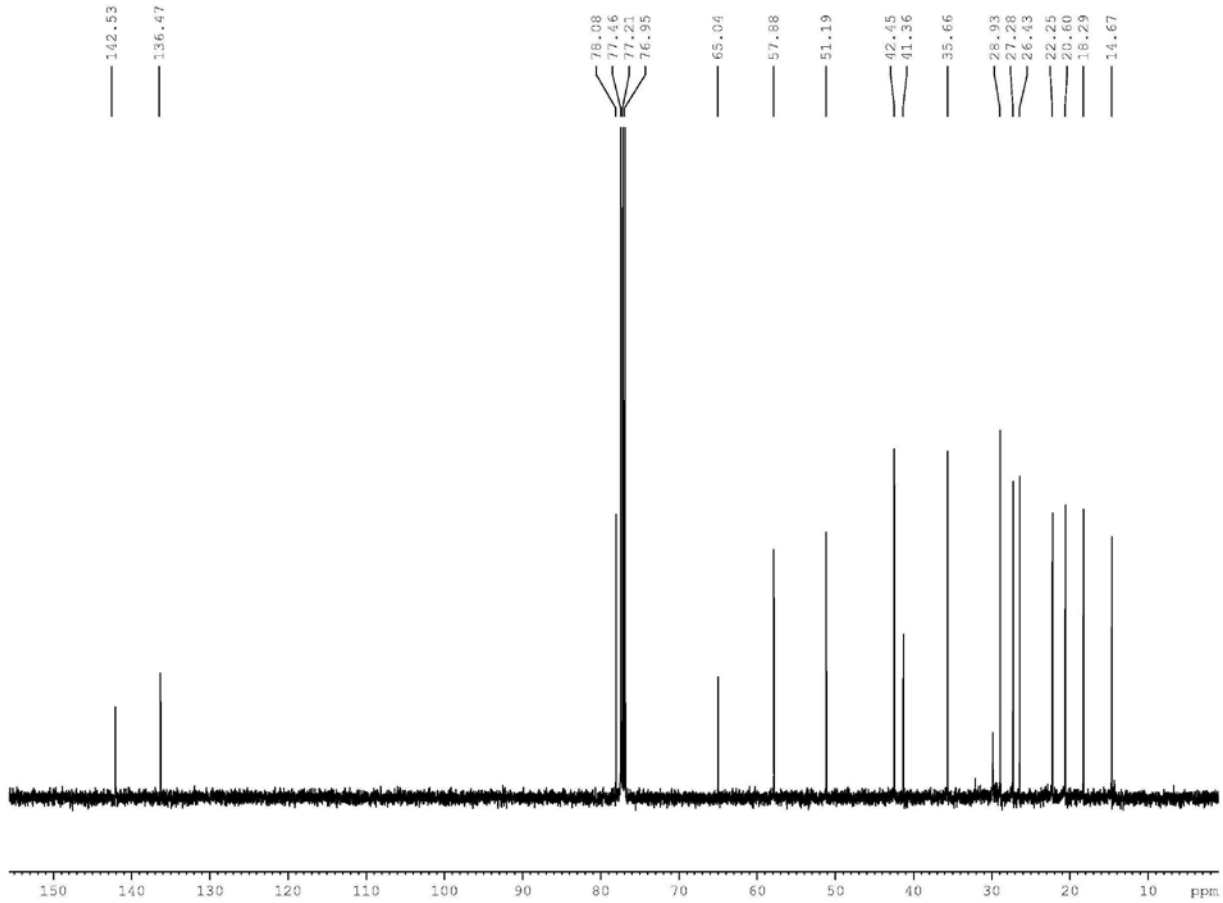

Figura 2S. *Espectro de RMN ^{13}C-CPD do 6α-metoxi-cipereno (**1**) (125 MHz, $CDCl_3$)*

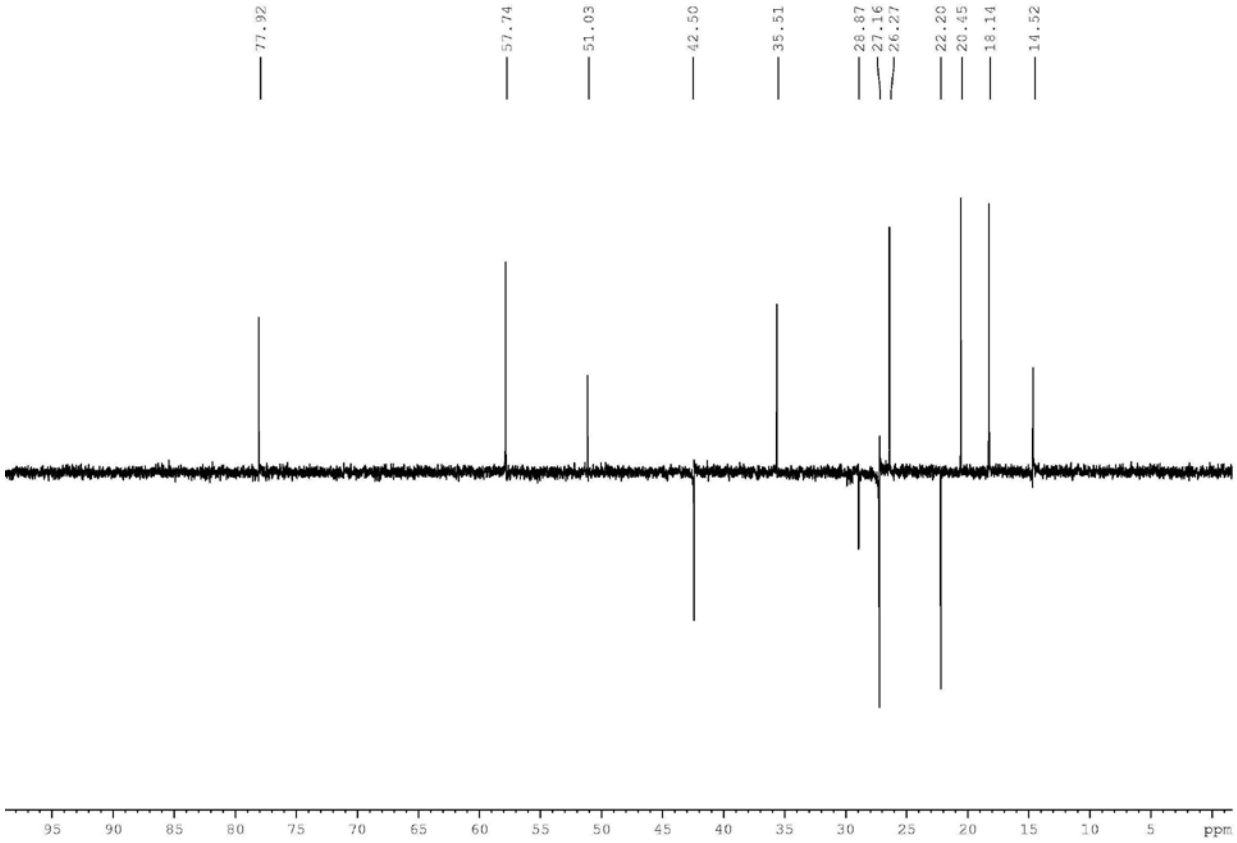

Figura 3S. *Espectro de RMN ^{13}C-DEPT (θ = 135) do 6α-metoxi-cipereno (**1**) (125 MHz, $CDCl_3$)*

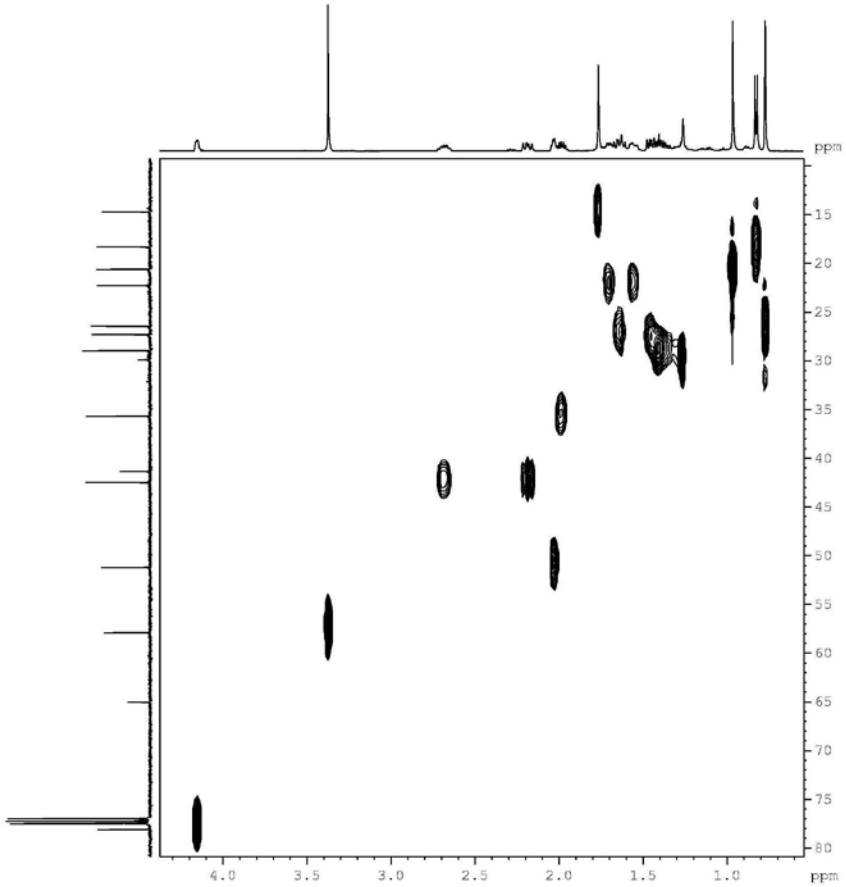

Figura 4S. *Mapa de contorno do espectro de RMN HSQC do 6α-metoxi-cipereno (**1**) (500 x 125 MHz, $CDCl_3$)*

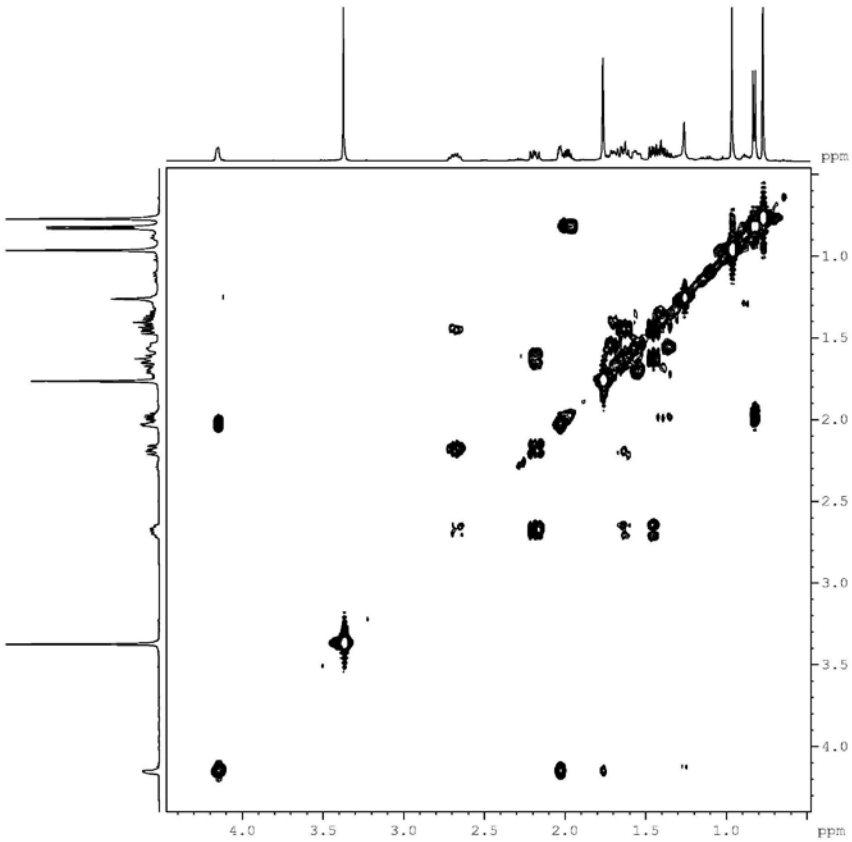

Figura 5S. *Mapa de contorno do espectro de RMN ^1H, ^1H-COSY do 6α-metoxi-cipereno (**1**) (500 x 500 MHz, $CDCl_3$)*

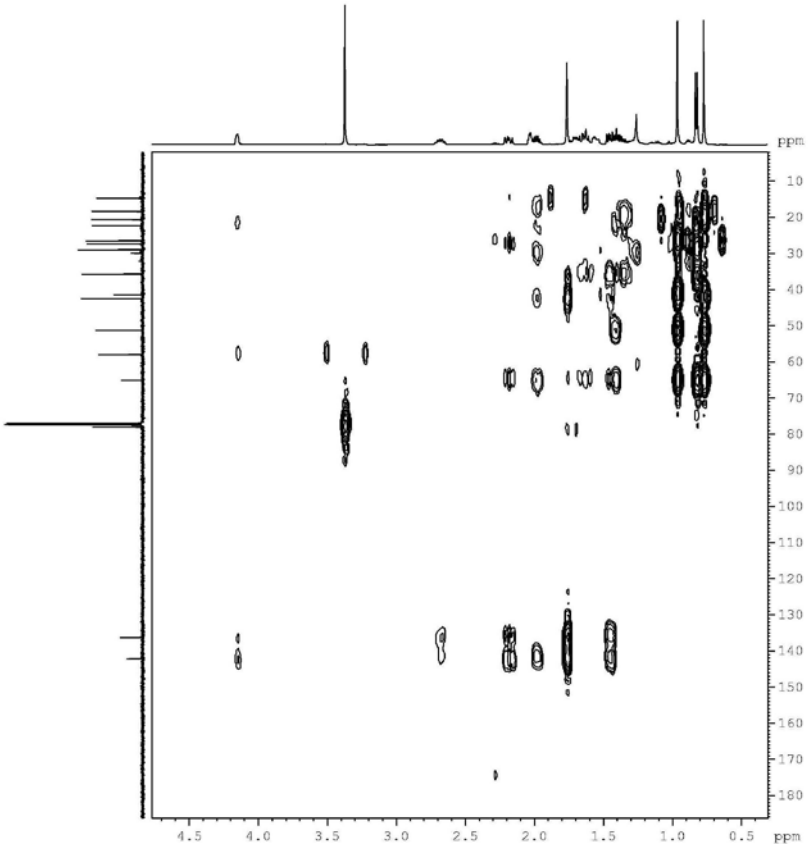

Figura 6S. *Mapa de contorno do espectro de RMN HMBC do 6α-metoxi-cipereno (**1**) (500 x 125 MHz, $CDCl_3$)*

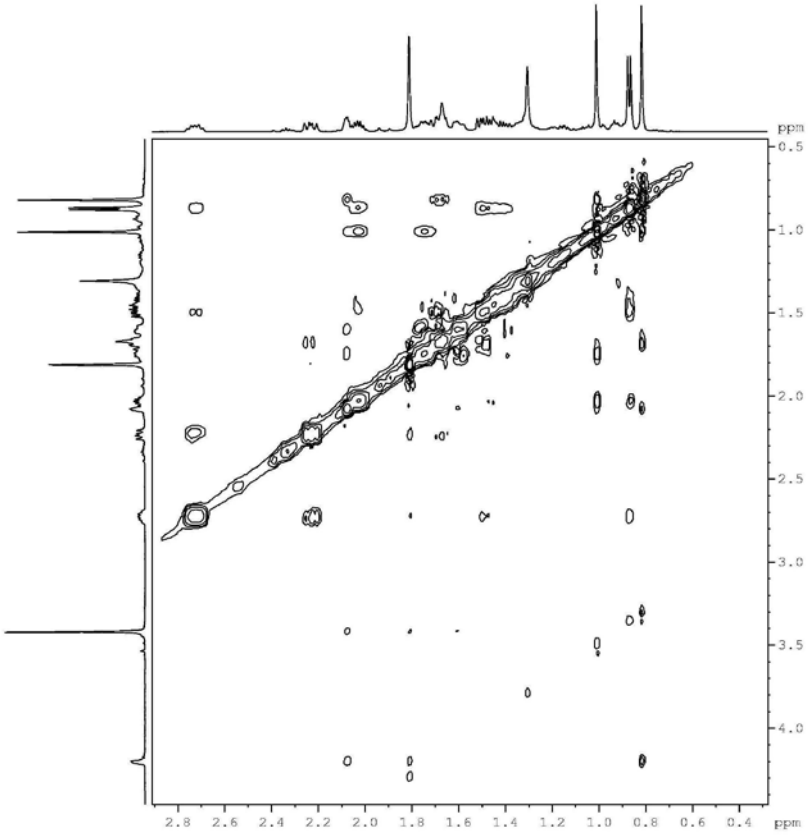

Figura 7S. *Mapa de contorno do espectro de RMN do espectro de RMN ^1H, ^1H-NOESY do 6α-metoxi-cipereno (**1**) (500 x 500 MHz, $CDCl_3$)*

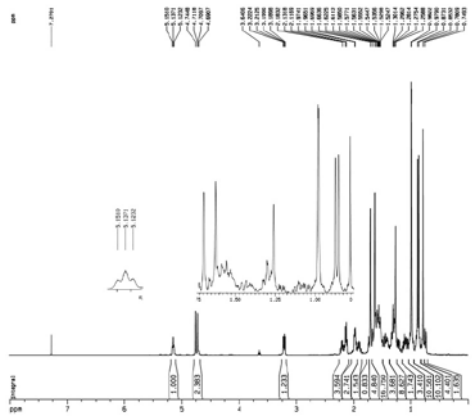

Figura 8S. *Espectro de RMN ^{1}H do damaradienol (**2**) ($CDCl_3$, 500 MHz)*

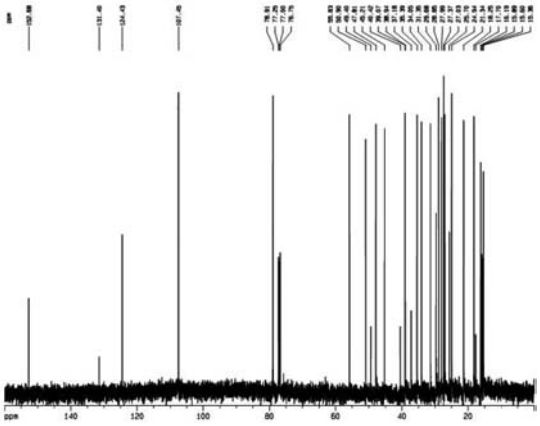

Figura 9S. *Espectro de RMN ^{13}C-CPD do damaradienol (**2**) (125 MHz, $CDCl_3$)*

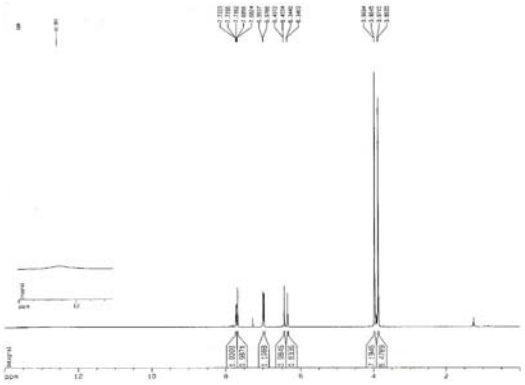

Figura 10S. *Espectro de RMN ^{1}H da retusina (**3**) ($CDCl_3$, 500 MHz)*

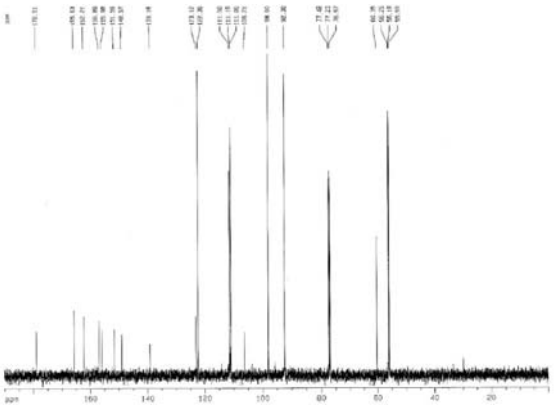

Figura 11S. *Espectro de RMN ^{13}C-CPD da retusina (**3**) (125 MHz, $CDCl_3$)*

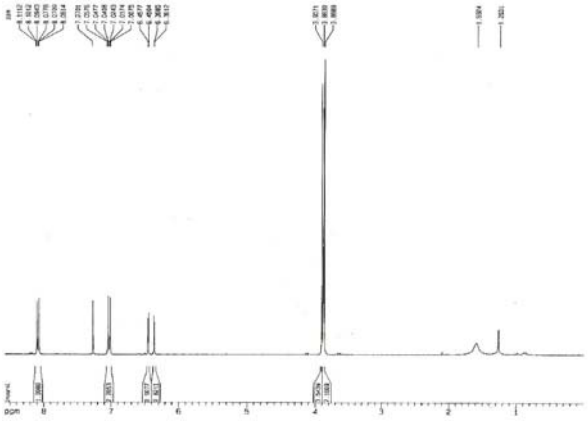

Figura 12S. *Espectro de RMN ^{1}H do 3,7,4'-trimetoxicanferol (**4**) (300 MHz, $CDCl_3$)*

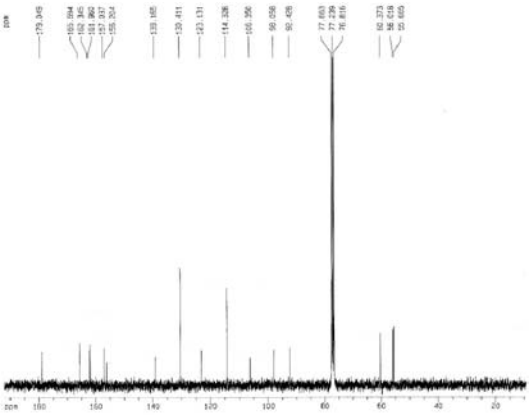

Figura 13S. *Espectro de RMN ^{13}C-CPD do 3,7,4'-trimetoxicanferol (**4**) (75 MHz, $CDCl_3$)*

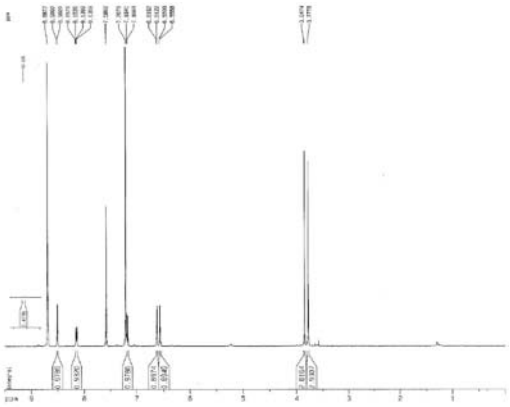

Figura 14S. *Espectro de RMN ^{1}H da ombuína (**5**) (500 MHz, C_5D_5N)*

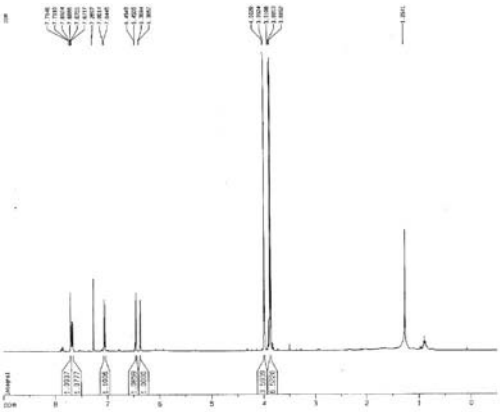

Figura 16S. *Espectro de RMN ^{1}H do pachipodol (**6**) (500 MHz, $CDCl_3$)*

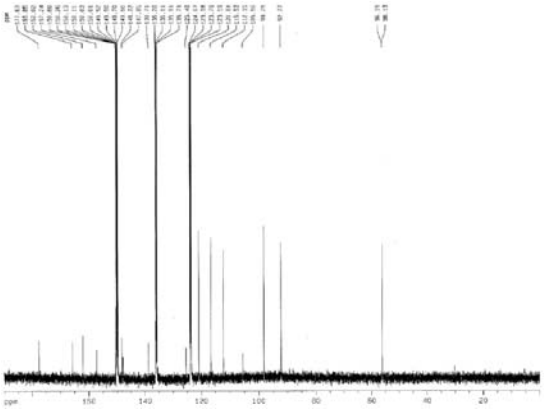

Figura 15S. *Espectro de RMN ^{13}C-CPD da ombuína (**5**) (125 MHz, C_5D_5N)*

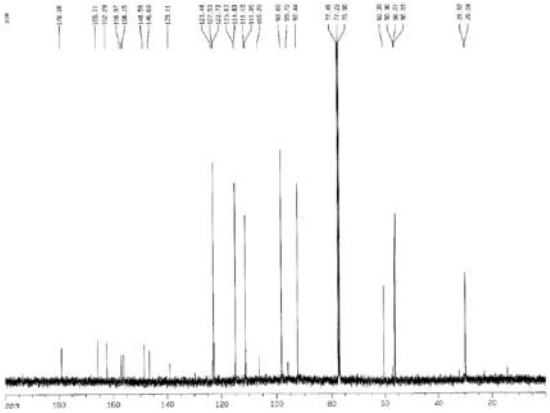

Figura 17S. *Espectro de RMN ^{13}C-CPD do pachipodol (**6**) (125 MHz, $CDCl_3$)*

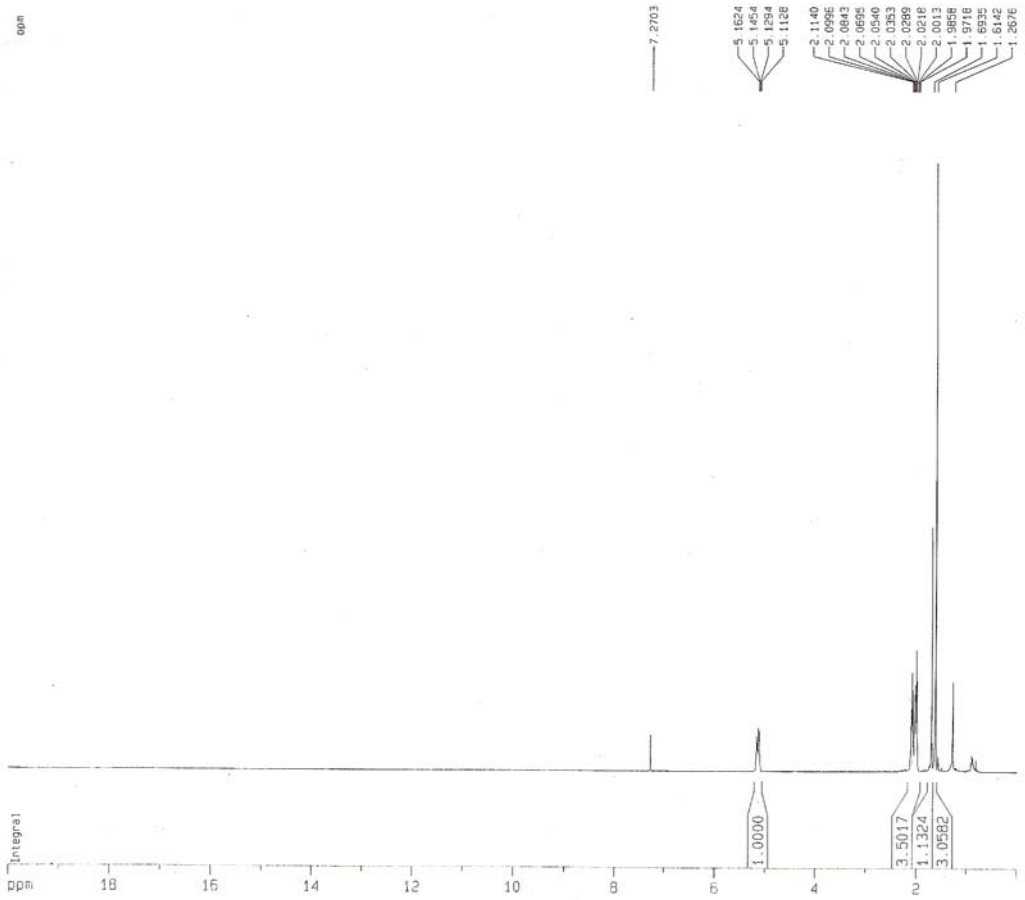

Figura 18S. *Espectro de RMN ^{1}H do esqualeno (**7**) (500 MHz, $CDCl_3$)*

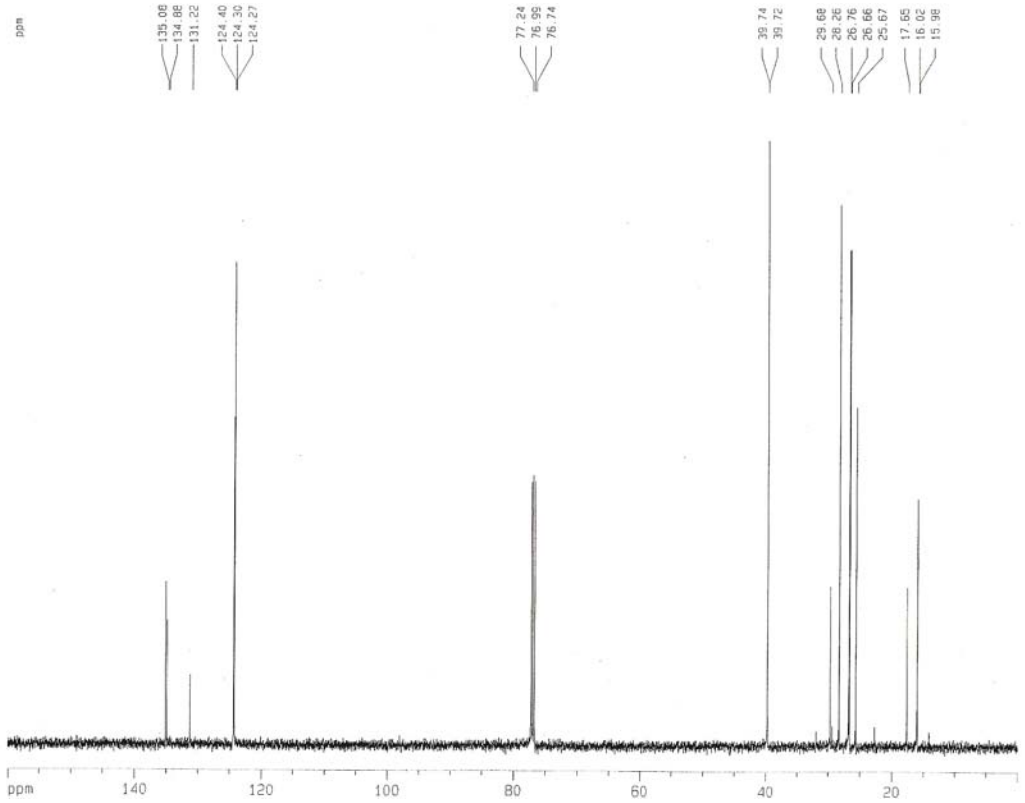

Figura 19S. *Espectro de RMN ^{13}C-CPD do esqualeno (**7**) (125 MHz, $CDCl_3$)*

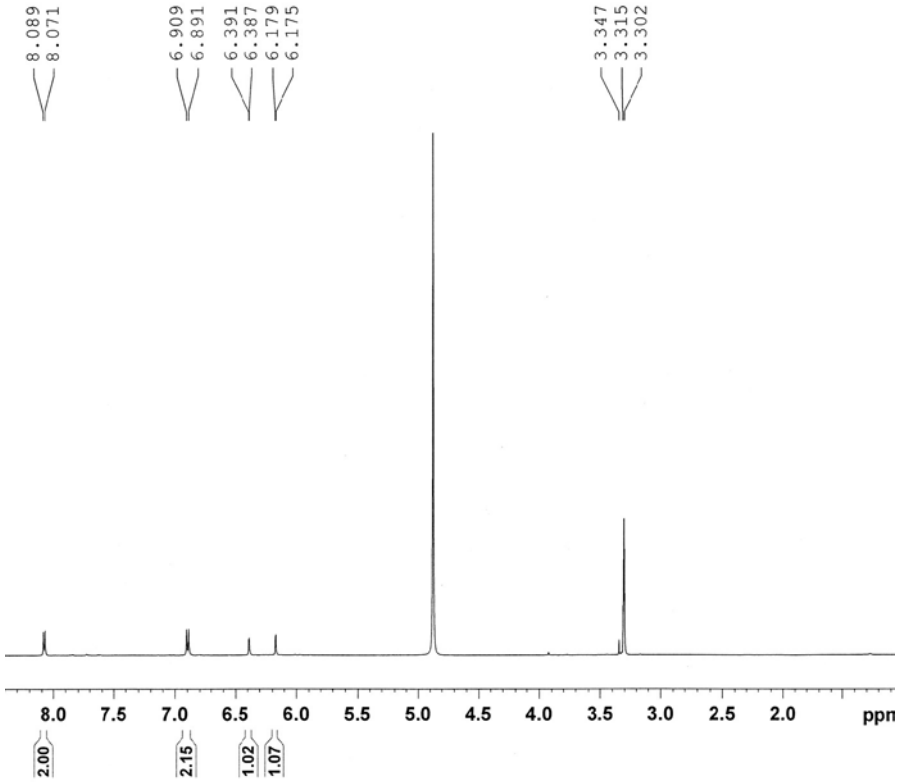

Figura 20S. *Espectro de RMN ^{1}H do canferol (**8**) (500 MHz, CD_3OD)*

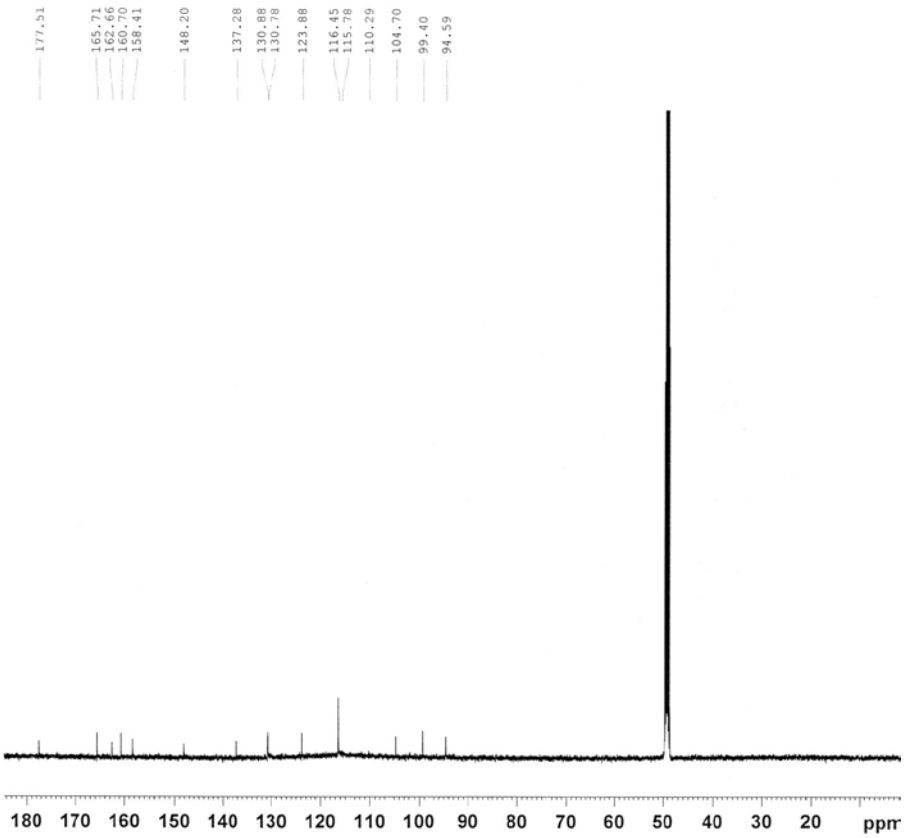

Figura 21S. *Espectro de RMN ^{13}C-CPD do canferol (**8**) (125 MHz, CD_3OD)*

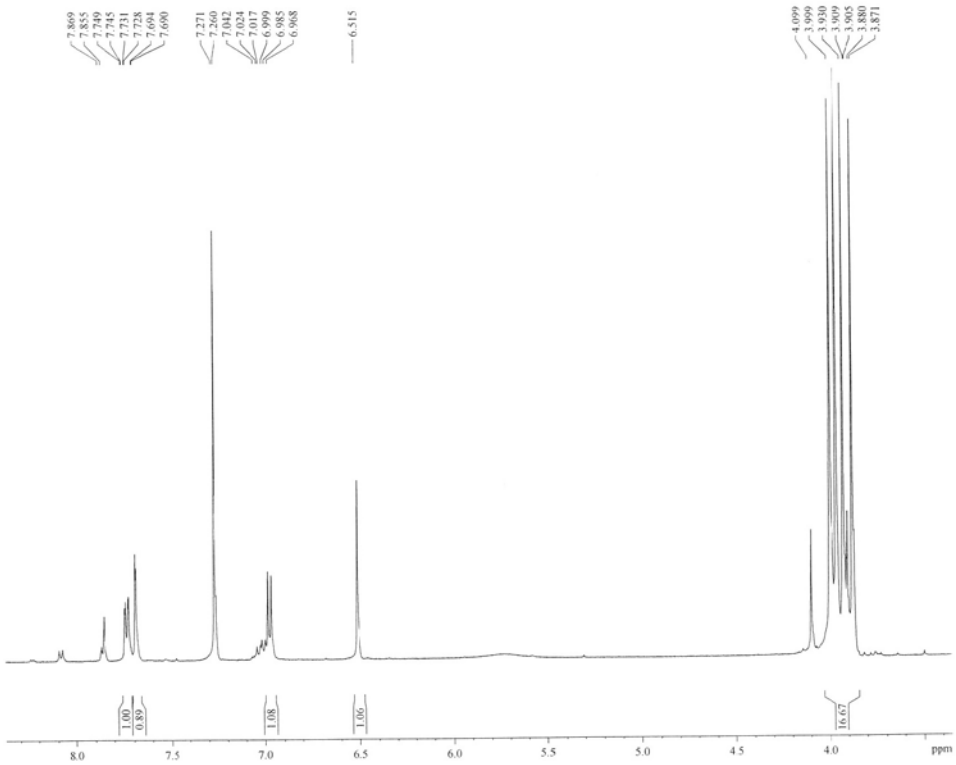

Figura 22S. *Espectro de RMN ^{1}H da casticina (**9**) (500 MHz, $CDCl_3$)*

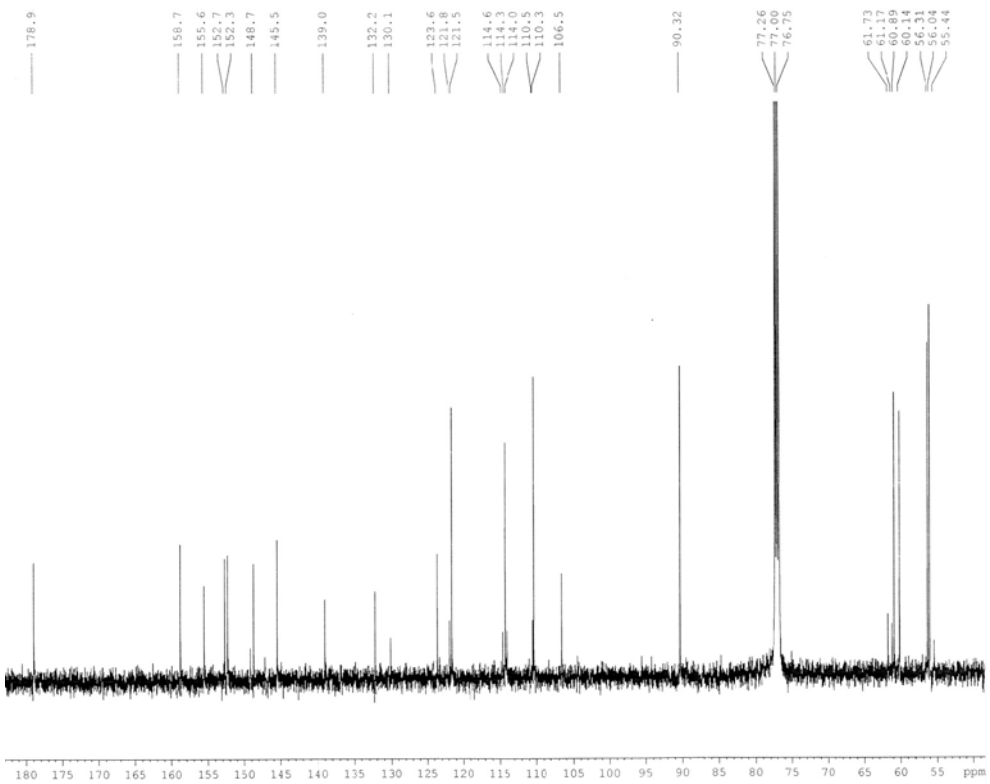

Figura 23S. *Espectro de RMN ^{13}C-CPD da casticina (**9**) (125 MHz, $CDCl_3$)*

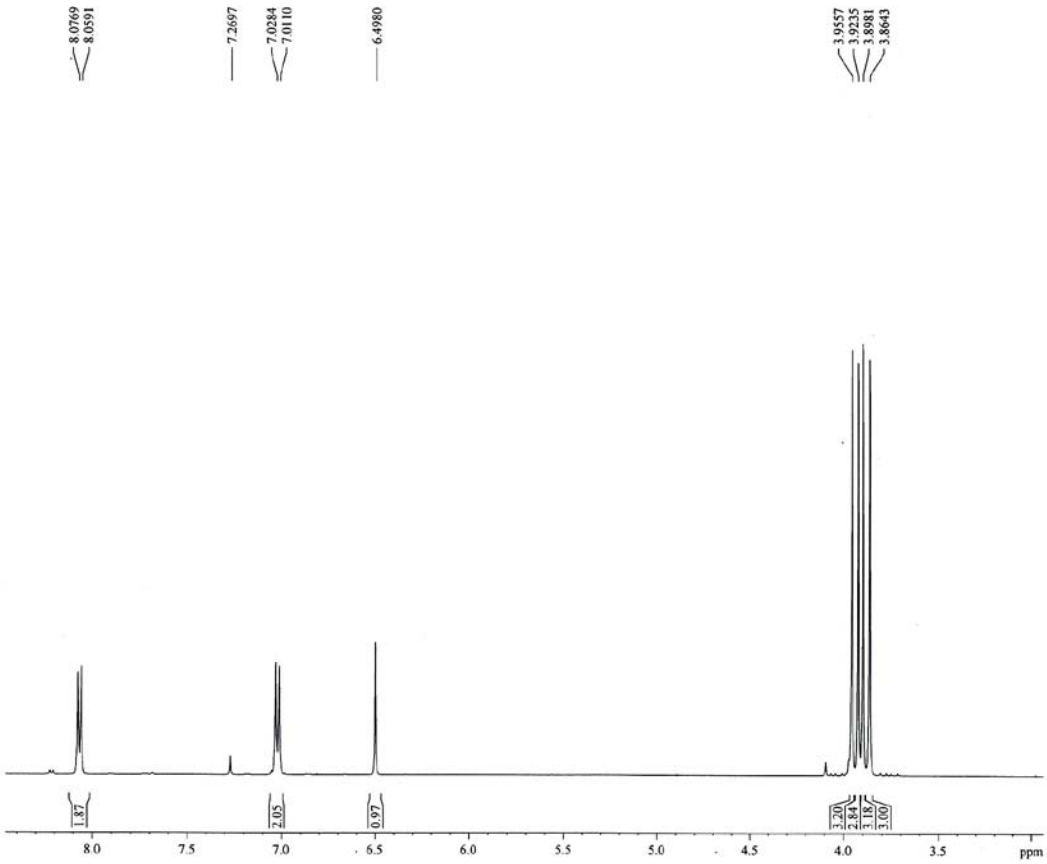

Figura 24S. *Espectro de RMN ^{1}H do 5-hidroxi-3,6,7,4'-tetrametoxiflavona (**10**) (500 MHz, $CDCl_3$)*

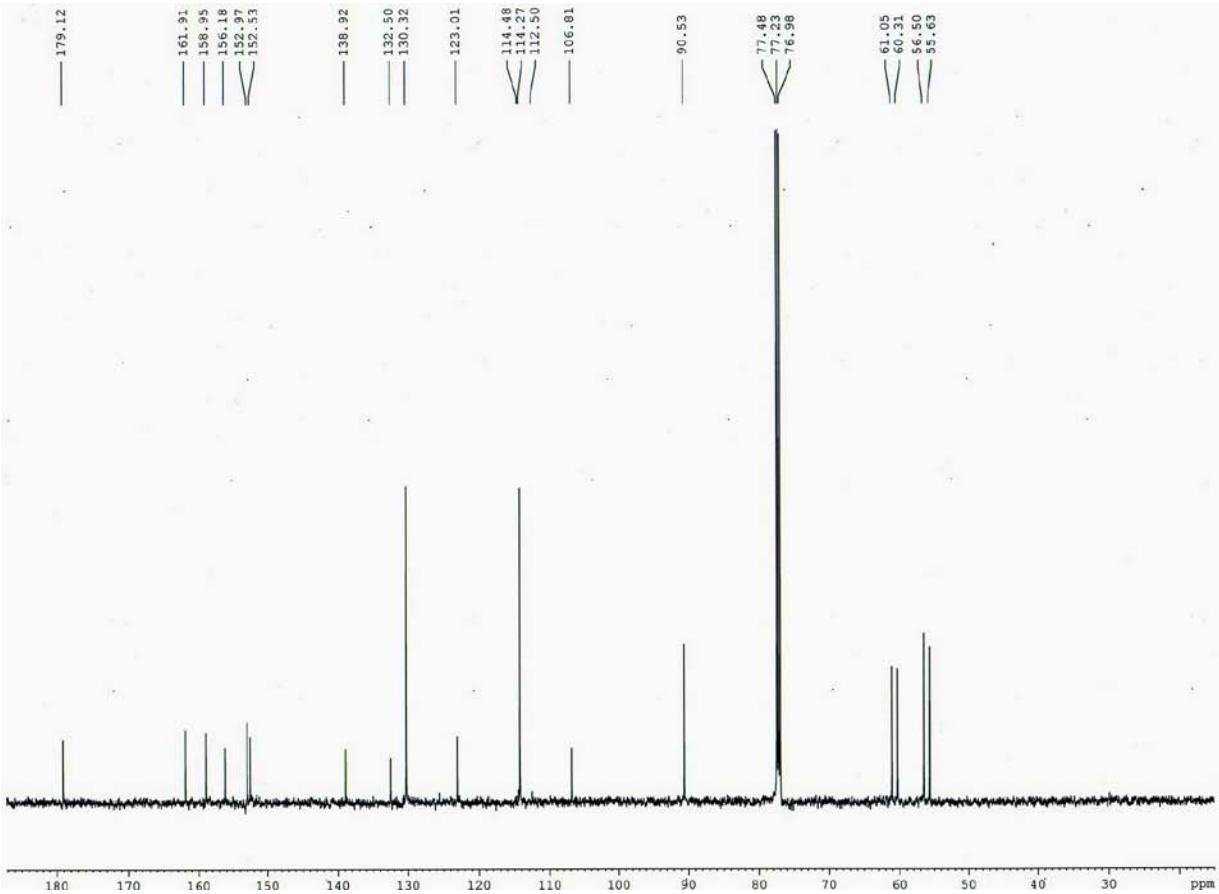

Figura 25S. *Espectro de RMN ^{13}C-CPD do 5-hidroxi-3,6,7,4'-tetrametoxiflavona (**10**) (125 MHz, $CDCl_3$)*

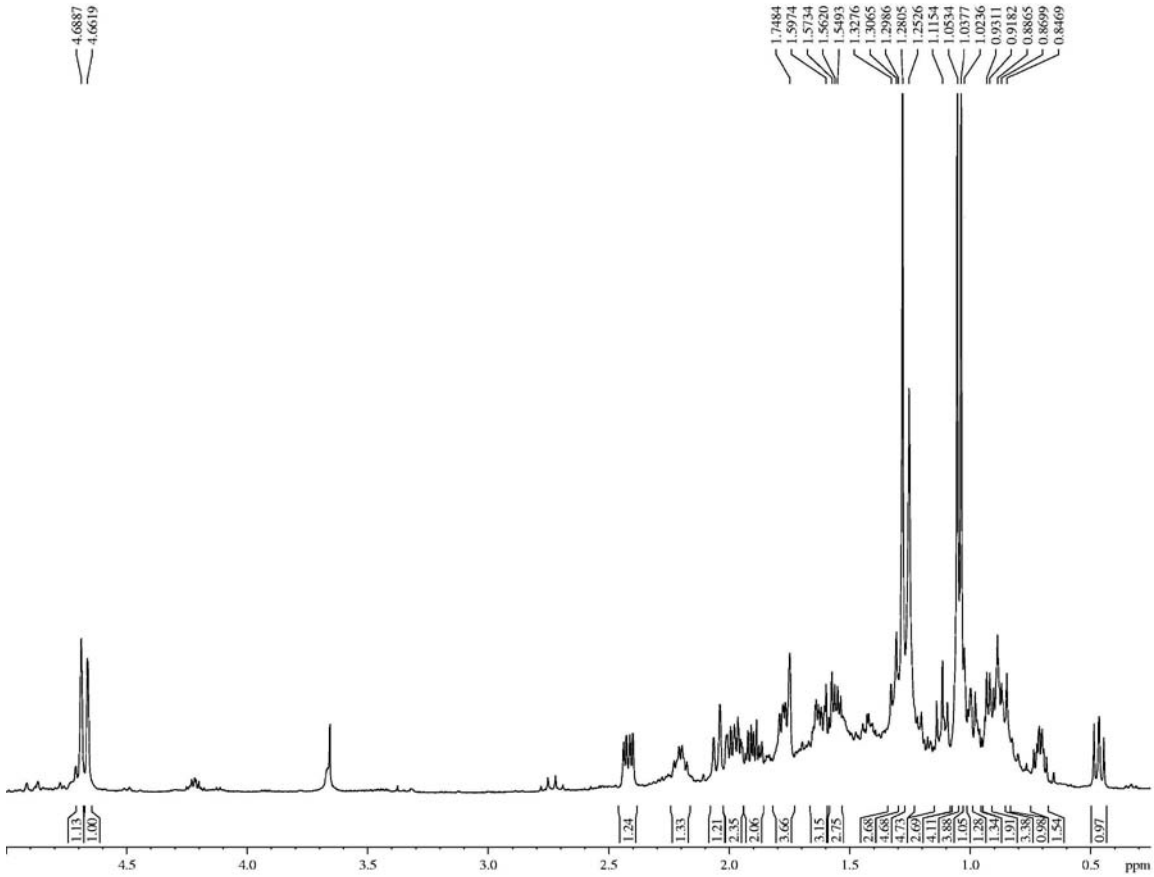

Figura 26S. *Espectro de RMN ^{1}H do espatulenol (**11**) (500 MHz, $CDCl_3$)*

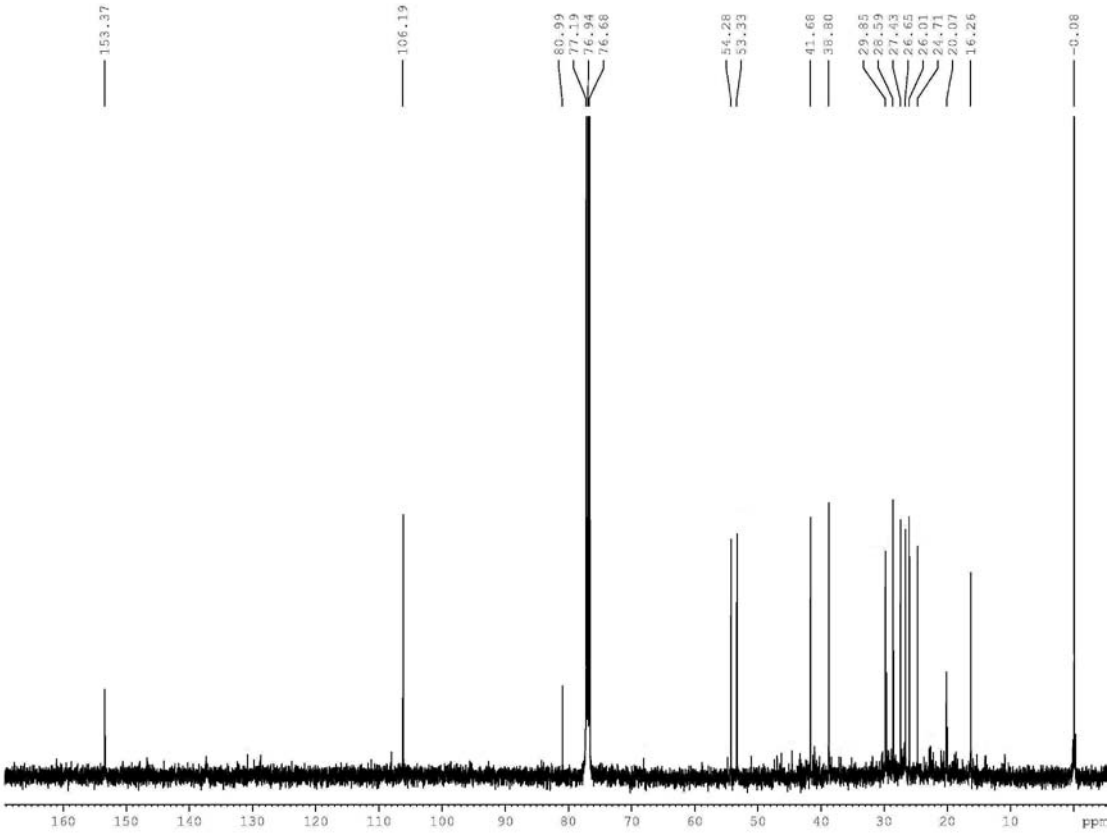

Figura 27S. *Espectro de RMN ^{13}C-CPD do espatulenol (**11**) (125 MHz, $CDCl_3$)*

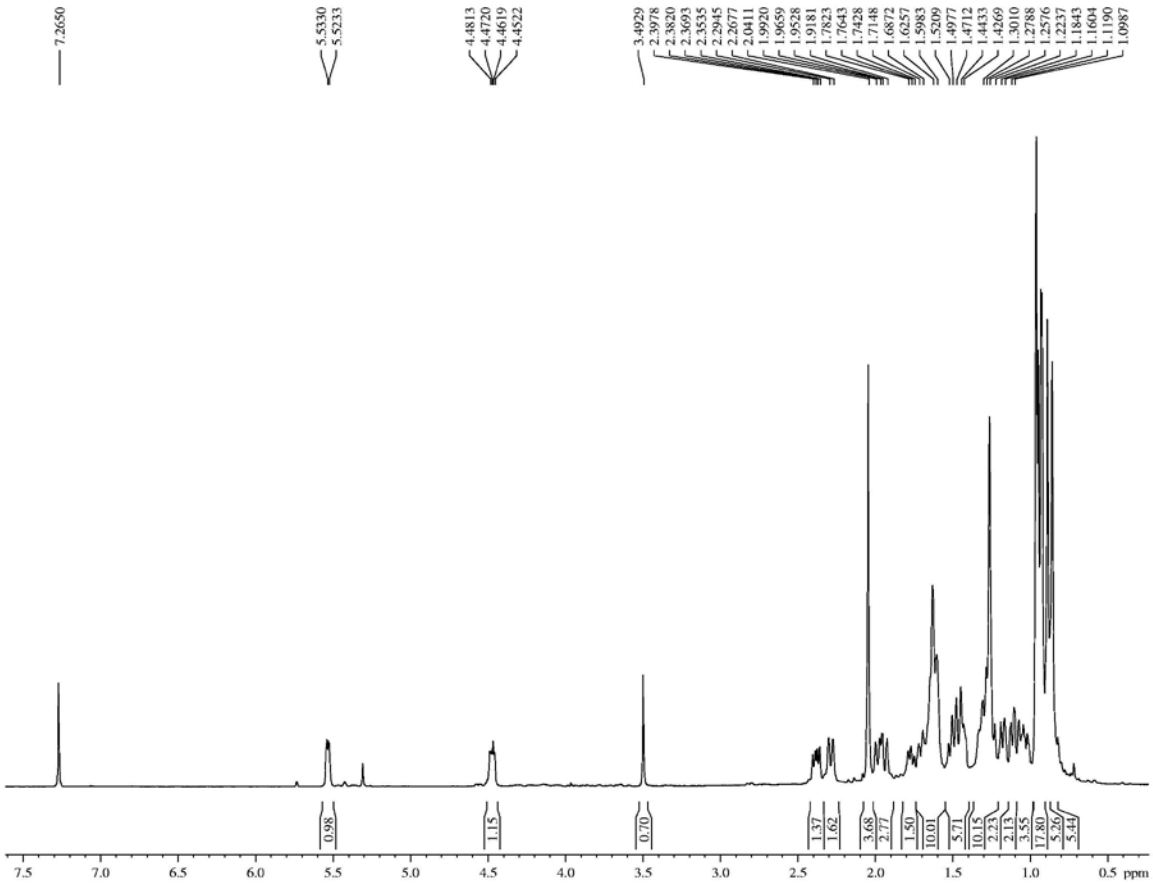

Figura 28S. *Espectro de RMN ^{1}H do ácido acetil aleuritólico (**12**) (500 MHz, $CDCl_3$)*

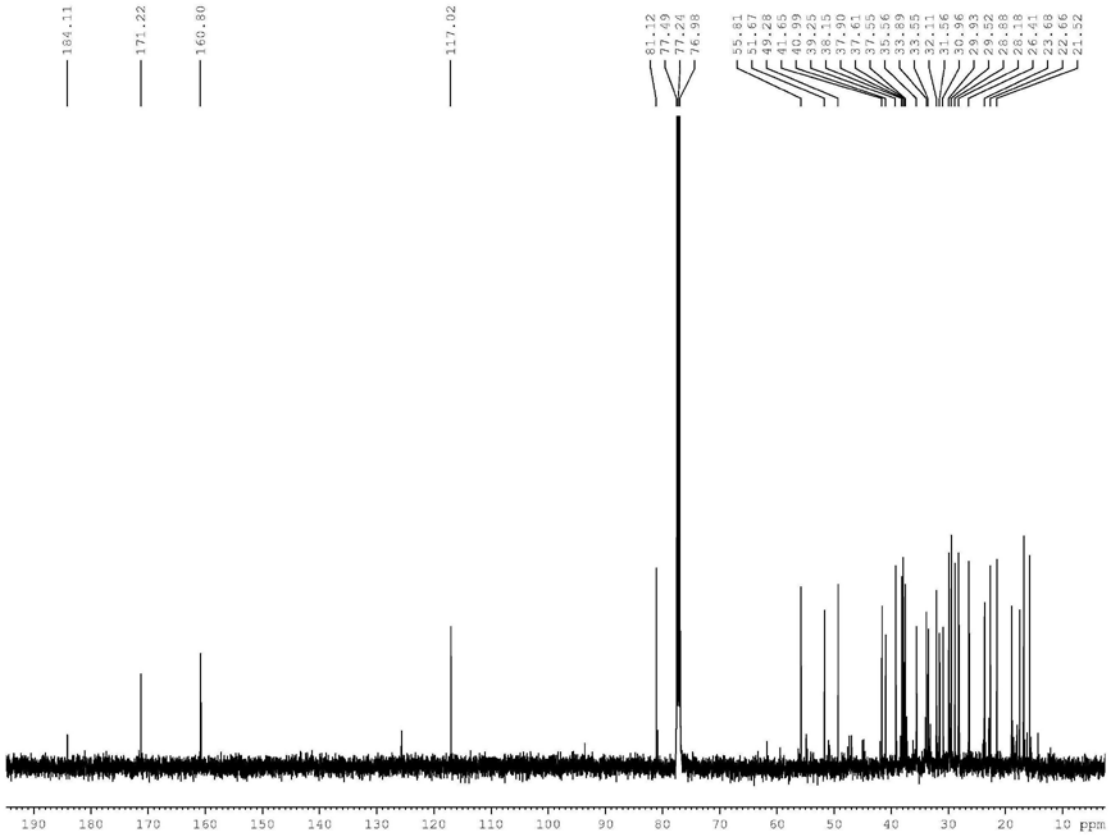

Figura 29S. *Espectro de RMN ^{13}C-CPD do ácido acetil aleuritólico (**12**) (125 MHz, $CDCl_3$)*

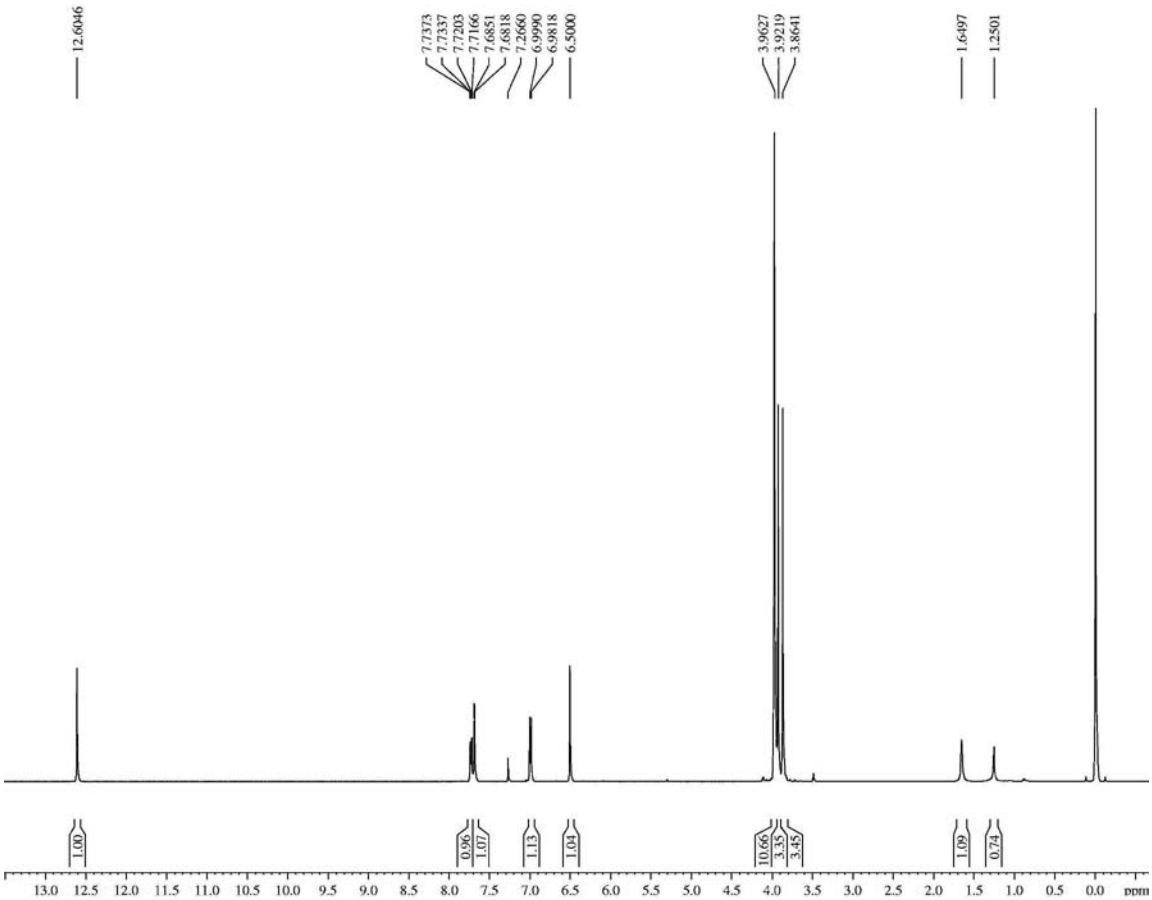

Figura 30S. *Espectro de RMN ^{1}H da artemetina (**13**) (500 MHz, $CDCl_3$)*

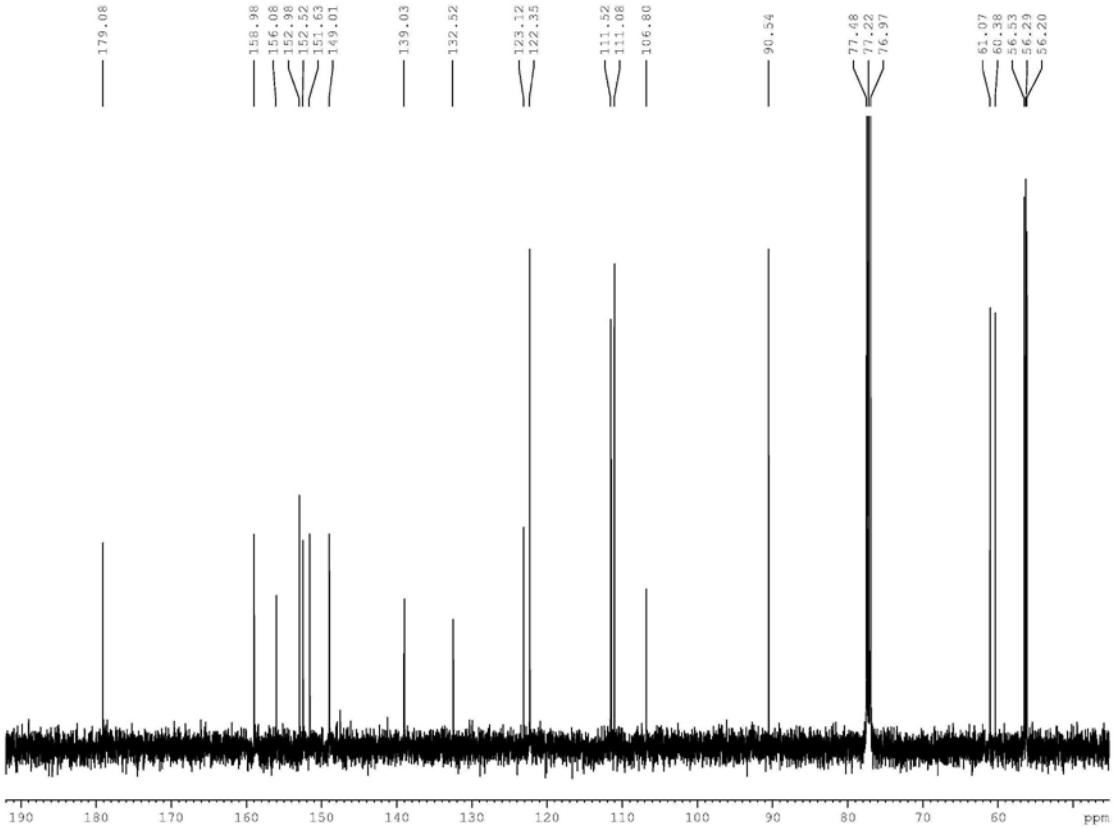

Figura 31S. *Espectro de RMN ^{13}C-CPD da artemetina (**13**) (125 MHz, $CDCl_3$)*