

Supplementary Material

Cytotoxic and Anti-plasmodial Activities of *Stephania dielsiana* Y.C. Wu extracts and the Isolated Compounds

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Table S1. ¹H-NMR data of the isolated compounds **1** – **7** from *Stephania dielsiana* (500 MHz, δ, ppm, J/Hz)

Position	1^a	2^b	3^c	4^c	5^b	Position	6^a	7^c
	δ _H	δ _H	δ _H	δ _H	δ _H		δ _H	δ _H
1						1	7.45 (1H, s)	6.74 (1H, s)
3	7.46 (1H, s)	7.63 (1H, s)	6.55 (1H, s)	6.52 (1H, s)	6.65 (1H, s)	3		
3a						4	6.74 (1H, s)	6.62 (1H, s)
4	7.91 (1H, d, <i>J</i> = 5.0)	8.39 (1H, d, <i>J</i> = 6.5 Hz)	3.14 – 3.03 (m*) 2.62 (1H, dd, <i>J</i> = 16.0, 3.5)	3.16-3.03 (m*) 2.62 (1H, dd, <i>J</i> = 16.0, 3.5)	3.35-3.28 (1H, m) 2.98 (1H, dd, <i>J</i> = 17.5, 4.0)	4a		
5	8.73 (1H, d, <i>J</i> = 5.0)	8.73 (1H, d, <i>J</i> = 6.5 Hz)	3.14-3.03 (m*) 2.51 (1H, dd, <i>J</i> = 11.5, 3.5)	3.16-3.03 (m*) 2.52 (1H, dd, <i>J</i> = 11.5, 3.5)	3.81-3.78 (m*) 3.54 (1H, dt, <i>J</i> = 12.5, 4.5)	5	3.24 (3H, t, <i>J</i> = 6.5)	3.12 (1H, m) 2.62 (m*)
6a			3.14-3.03 (m*)	3.16-3.03 (m*)	4.33-4.31 (1H, m)	6	5.02 (1H, <i>J</i> = 6.5)	3.20(1H, m) 2.62 (m*)
6b						8	9.88 (1H, s)	4.24 (1H, d, <i>J</i> = 15.5) 3.52 (1H, d, <i>J</i> = 15.5)
7			3.68 (1H, dd, <i>J</i> = 15.0, 4.5) 2.20 (1H, dd, <i>J</i> = 14.5, 14.0)	3.67 (1H, dd, <i>J</i> = 14.5, 4.5) 2.29 (1H, dd, <i>J</i> = 14.5, 14.0)	3.81-3.78 (m*) 2.98 (1H, dd, <i>J</i> = 14.5, 14.0)	8a		
8					7.83 (1H, d, <i>J</i> = 8.5)	10		

9	7.26 (1H, $J = 8.5$ Hz)	7.34 (1H, d, $J = 8.5$ Hz)	6.83 (1H, d, $J = 8.0$)		6.99 (1H, $J = 8.5$)	11	7.71 (1H, d, $J = 9.0$)	6.79 (1H, dd, $J = 8.5$)
10	7.75 (1H, t, $J = 8.0$)	7.82 (1H, t, $J = 8.0$ Hz)	7.26 (1H, dd, $J = 8.0, 8.0$)	6.87 (1H, d, $J = 8.5$)		12	7.91 (1H, d, $J = 9.0$)	6.88 (1H, dd, $J = 8.5$)
11	8.27 (1H, d, $J = 8.0$)	8.30 (1H, d, $J = 8.0$ Hz)	7.71 (1H, d, $J = 8.0$)	7.80 (1H, d, $J = 8.5$)		12a		
11a						13	8.55 (1H, s)	3.36 (1H, dd, $J = 16.0, 4.0$) 2.83 (1H, dd, $J = 15.5, 11.5$)
11b						13a		3.52 (1H, m)
12	6.44 (2H, s)	6.66 (2H, s)	6.08 (1H, d, $J = 1.5$) 5.90 (1H, d, $J = 1.5$)	6.05 (1H, d, $J = 1.5$) 5.90 (1H, d, $J = 1.5$)	6.11 (1H, $J = 1.0$) 5.97 (1H, $J = 1.0$)	13b		
NCH ₃		4.72 (3H, s)	2.57 (3H, s)	2.58 (3H, s)	3.18 (3H, s)	2-OCH ₃	4.05 (3H, s)	3.89 (3H, s)
8-OCH ₃	3.96 (3H, s)	4.05 (3H, s)	3.85 (3H, s)	3.82 (3H, s)		3-OCH ₃	3.96 (3H, s)	3.86 (3H, s)
9-OCH ₃				3.93 (3H, s)		9-OCH ₃	4.18 (3H, s)	3.87 (3H, s)
10-OCH ₃					3.88 (3H, s)	10-OCH ₃	3.99 (3H, s)	3.85 (3H, s)
11-OCH ₃					3.86 (3H, s)			

^a Measured in DMSO-d₆. ^b Measured in CD₃OD. ^c Measured in CDCl₃. * Overlapped signals.

Table S2. ¹³C-NMR data of the isolated compounds **1** – **7** from *Stephania dielsiana* (125 MHz, δ, ppm)

Positions	1^a	2^b	3^c	4^c	5^b	Positions	6^a	7^c
	δ _c	δ _c	δ _c	δ _c	δ _c		δ _c	δ _c
1	151.22	159.10	142.72	142.12	144.61	1	108.34	108.63
2	147.37	153.13	146.65	146.65	150.01	2	149.43	147.56
3	102.58	104.20	107.55	106.83	107.77	3	152.09	147.47
3a	134.47	141.79	126.45	126.43	120.69	4	110.67	111.38
4	122.89	126.71	29.16	29.02	26.90	4a	128.00	126.65
5	143.76	142.07	53.66	53.60	53.84	5	27.09	28.91
6a	145.79	142.59	61.84	61.89	62.99	6	56.23	51.42
6b	121.06	124.54	127.17	126.43	124.99	8	145.62	53.87
7	179.69	179.23	25.96	26.84	25.41	8a	121.87	127.56
7a	120.27	120.96	123.79	129.68	126.76	9	144.46	145.07
8	160.87	162.83	156.25	152.07	124.73	10	150.23	150.28
9	112.77	114.43	109.69	145.90	112.84	11	126.11	111.05
10	134.18	137.75	127.06	110.34	153.88	12	123.46	123.82
11	118.85	120.47	119.47	123.12	147.13	12a	133.48	128.35
11a	134.27	134.39	132.16	124.61	124.51	13	120.01	36.12
11b	106.76	109.69	116.58	116.54	117.59	13a	137.85	59.26
12	102.38	106.69	100.64	100.64	102.77	13b	118.77	129.44
NCH ₃	-	50.04	43.96	43.82	42.22	2-OCH ₃	56.75	56.07
8-OCH ₃	55.87	56.89	55.59	60.72	-	3-OCH ₃	56.23	55.86
9-OCH ₃	-	-	-	55.78	-	9-OCH ₃	62.32	60.15
10-OCH ₃	-	-	-	-	56.40	10-OCH ₃	56.88	55.82
11-OCH ₃	-	-	-	-	61.19			

^a Measured in DMSO-d₆. ^b Measured in CD₃OD. ^c Measured in CDCl₃.